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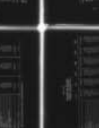
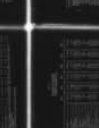
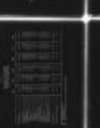
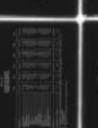
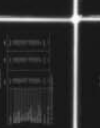
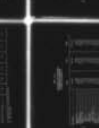
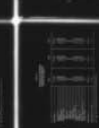
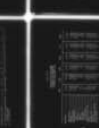
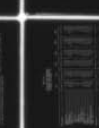
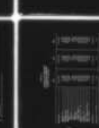
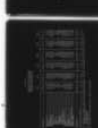
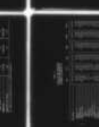
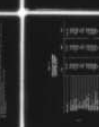
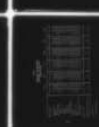
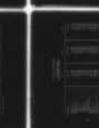
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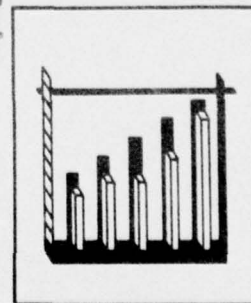
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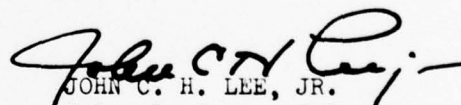
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TO: THE READER

This Appendix, designated as "E" and entitled "Economic Base Study," is one of the nine Appendixes that support the "Report for Development of Water Resources in Appalachia."

The Appendix was prepared cooperatively by the Office of Business Economics, U.S. Department of Commerce and the Office of Appalachian Studies. It provides a summary of demographic and economic data used in our analysis of the Appalachian economy. Projections of population, employment and income for 1980, 2000 and 2020 are presented by various geographic units used in the analysis. Two sets of assumptions are used for the projections. The first set is used for the United States projection and for the "Historical and Projected" Appalachian Region and is presented first. The second set applies only to the Appalachian Region and are on a basis that reflects possible developmental achievement. This second set of projections is called "developmental benchmarks."

The main report, which is supported by this Appendix, is divided into six Parts. Part I is the Summary Report and should be consulted for an overall view of the Appalachian Region. Part II is comprised of pairs of chapters providing more definitive information on each of the ten water sub-regions. A full index of the report components is included at the end of the Table of Contents for this Appendix on pages vii and viii.


JOHN C. H. LEE, JR.
Colonel, Corps of Engineers
Director

ORIGINAL CONTAINS COLOR PLATES; ALL OTHER
REPRODUCTIONS WILL BE IN BLACK AND WHITE

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DEVELOPMENT
OF
WATER RESOURCES
IN
APPALACHIA

APPENDIX E
ECONOMIC BASE STUDY

Prepared by:

Office of Business Economics
Regional Economics Division
U.S. Department of Commerce

and

Office of Appalachian Studies
U. S. Army Corps of Engineers

U. S. ARMY CORPS OF ENGINEERS
OFFICE OF APPALACHIAN STUDIES

October 1968

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DEVELOPMENT
OF
WATER RESOURCES
IN
APPALACHIA .

APPENDIX E .
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Volume 20.

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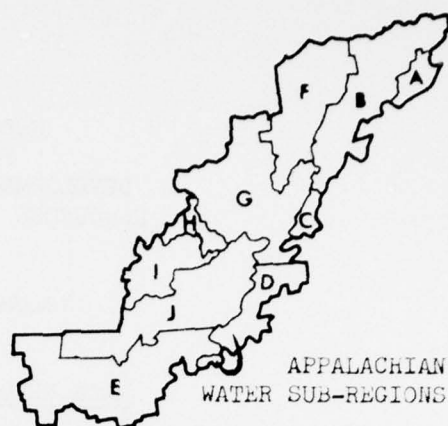
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REPORT
For
DEVELOPMENT OF WATER
RESOURCES IN APPALACHIA

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REPORT
For
DEVELOPMENT FOR WATER
RESOURCES IN APPALACHIA

VOLUME INDEX

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INTRODUCTION

This Appendix is designed to provide a summary of economic and demographic data to be used in the analysis of the Appalachian economy, and to provide a setting for the preparation of a comprehensive water resources development plan.

Information contained in this Appendix includes projections to 1980, 2000 and 2020 for population, employment by industry group, per capita income, and gross output per employee. This information is presented for the United States and the Appalachian Region. For the Appalachian Region, this information is grouped by 27 economic sub-regions, 28 water areas and 59 state planning sub-regions.

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CHAPTER 1

SUMMARY

The statistics included in this study cover the period from 1940 to 2020. During the historical portion of this time period, the percentages of the total U. S. population and employment located in the Appalachian Region have been declining. This historical trend is as follows:

	<u>1940</u>	<u>1950</u>	<u>1960</u>
Population (000)	16,611	17,374	17,727
Percent of U. S.	12.6	11.5	9.9
Employment (000)	4,923	5,869	5,865
Percent of U. S.	10.8	10.2	8.8

Per capita income (1954 dollars) over the same time period has remained relatively constant as a percent of the nation.

	<u>1940</u>	<u>1950</u>	<u>1960</u>
Per Capita Income	\$ 824	\$1,136	\$1,459
Percent of U. S.	68.8	68.5	73.2

Projections for the years 1980, 2000 and 2020 are a continuation of the historical trend. Analysis of the projections of population and employment reveal a continued decline relative to the United States, and as a result, the role of the Appalachian Region in the national economy will continue to decline. The projections are summarized as follows:

	<u>1980</u>	<u>2000</u>	<u>2020</u>
Population (000)	22,160	28,307	36,579
Percent of U. S.	9.1	8.4	7.8
Employment (000)	7,601	9,965	13,145
Percent of U. S.	8.0	7.6	7.3
Per Capita Income	\$2,342	\$4,025	\$7,203
Percent of U. S.	73.2	80.5	92.9

A water resources survey, because of the length of its period of analysis - a minimum of fifty years and more commonly one hundred - must give rather close attention to the expected future economy. Projections of population and employment as a base from which to compute water needs is one of the most important elements in a water resources plan. Because the long-term effects and scope of the overall Appalachian program are not known at the present time, as a basis for analysis, the Appalachian Water Resources Survey must provide some first approximations of the future of the Appalachian Region. Developmental benchmarks provide the setting for the plan reported in the Appalachian Water Resources Survey.

Attainment of the developmental benchmarks represents a stabilization of the Appalachian Region relative to the nation. Developmental benchmarks are summarized below:

	<u>1980</u>	<u>2000</u>	<u>2020</u>
Population (000)	22,574	31,435	43,390
Percent of U. S.	9.3	9.3	9.3
Employment (000)	7,694	11,851	16,532
Percent of U. S.	8.4	9.1	9.1
Per Capita Income	\$2,518	\$4,406	\$7,363
Percent of U. S.	78.8	88.1	95.0

The following tabulations show for the Appalachian Region the historical and projected population and employment and the developmental benchmarks:

POPULATION AND EMPLOYMENT
APPALACHIAN REGION
HISTORICAL AND PROJECTED

	1940	1950	1960	1980	2000	2020
Employment.....	4,922,938	5,869,089	5,864,584	7,601,000	9,965,000	13,145,000
Agriculture.....	1,098,406	875,444	427,817	192,000	142,000	125,000
Mining.....	484,209	482,273	205,201	132,000	118,000	99,000
Construction.....	192,205	319,859	344,916	460,000	590,000	796,000
Manufacturing.....	1,210,303	1,655,131	1,965,898	2,611,000	3,296,000	4,221,000
Food.....	73,828	95,433	133,857	156,000	189,000	215,000
Textiles.....	225,006	264,120	247,331	265,000	291,000	339,000
Paper.....	N.A.	33,390	43,382	68,000	101,000	141,000
Chemicals.....	60,416	86,701	117,039	180,000	269,000	374,000
Petroleum.....	N.A.	19,895	10,614	6,000	4,000	3,000
Primary Metals.....	N.A.	324,388	322,910	342,000	331,000	315,000
Transportation, etc. .	317,073	443,663	402,448	398,000	399,000	398,000
Trade.....	631,801	918,007	1,002,104	1,425,000	1,981,000	2,674,000
Finance, etc.	82,185	111,842	156,521	301,000	462,000	643,000
Services.....	789,216	896,424	1,143,572	1,730,000	2,457,000	3,454,000
Public Administration.	114,940	158,802	193,811	327,000	496,000	705,000
Armed Forces.....	2,600	7,644	27,566	24,000	24,000	24,000
Population.....	16,611,406	17,374,413	17,726,562	22,160,000	28,307,000	36,579,000

N.A. = Not Available

POPULATION AND EMPLOYMENT
APPALACHIAN REGION
DEVELOPMENTAL BENCHMARKS

	1980	2000	2020
Employment	7,964,000	11,851,000	16,532,000
Agriculture	192,000	142,000	125,000
Mining	132,000	118,000	99,000
Construction	484,000	691,000	983,000
Manufacturing	2,753,000	3,970,000	5,401,000
Food	167,000	219,000	267,000
Textiles	269,000	304,000	367,000
Paper	71,000	109,000	173,000
Chemicals	185,000	292,000	443,000
Petroleum	6,000	4,000	4,000
Primary Metals	352,000	373,000	400,000
Transportation, etc.	417,000	461,000	520,000
Trade	1,477,000	2,354,000	3,284,000
Finance, etc.	312,000	544,000	827,000
Services	1,836,000	2,966,000	4,370,000
Public Administration	337,000	581,000	899,000
Armed Forces	24,000	24,000	24,000
Population	22,574,000	31,435,000	43,390,000

CHAPTER 2

ASSUMPTIONS AND METHODOLOGY

This study contains two sets of assumptions for the Appalachian Region. The first set was used for the United States projection and for the "Historical and Projected" Appalachian Region and is presented first. A second set of assumptions applies only to the Appalachian Region. The data derived by this latter set of assumptions are called the "developmental benchmarks."

Listed below are a number of specific assumptions used in developing the national totals needed to prepare the "Historical and Projected" data:

1. It is assumed that no major war will occur during the period of analysis, but that a continued high level of expenditures for national defense will be required.

2. National population totals used are from the Series B projection published by the Bureau of the Census in Projections of the Population of the United States by Age and Sex: 1964 to 1985 with Extensions to 2010, Population Estimates Series P-25, No. 286, July 1964. The 2010 figures in that publication were extended to 2020 in accordance with the projected average rate of growth from 1960 to 2010. A discussion of the characteristics of the population projection, together with assumptions used, is contained in the foregoing reference.

3. Nationwide labor force figures were calculated by applying to projected population the labor force participation rates of 1955-57, which are higher than current rates but which are close to those obtained by a comparison of the 1980 projections of labor force by the Bureau of Labor Statistics and the 1980 population projections of the Census.

4. National totals of all-industry employment were derived from the labor force projections by assuming a 4-percent rate of unemployment in the target years.

5. Total gross national product (GNP) was derived as the product of projected employment and projected productivity per worker. The trend in productivity was calculated from Office of Business Economics (OBE) data for the 1947-63 span. Projected productivity reflected the combined effect of changes in productivity per man-hour and of changes in the length of the work week without either being made explicit.

The gross national product so derived was within 1 percent of that developed for 1980 and 2000 by the Economic Task Group (now the Economic Analysis Subcommittee) of the ad hoc Water Resources Council and within 2 percent of the Subcommittee's projections for 2020. Accordingly, the earlier GNP projections were accepted in order to avoid introducing a new set of temporary GNP projections. More rigorously derived national projections will be developed for the Water Resources Council long-range program.

6. National personal income was derived from projected GNP on the basis of the past relationship between the two accounts.

7. National totals of employment and of personal income components by industry were derived from the projected totals of GNP and personal income on the basis of 1947-63 trends in productivity, industrial structure of national output, and composition of income. These employment and income totals were allocated by industry to the regions and from them were derived regional population projections.

Using the national totals based on these assumptions, projections were then made by a process of successive disaggregations: i.e., from the nation to major regions to states. The Appalachian States were aggregated to serve as a base for the disaggregation to the economic sub-regions. At each level of activity the maximum amount of industrial detail was used for which there were available data, and where available both income and employment were used as measures of industrial activity.

In the process, the historical percentage relationship was established between the smaller areas and the larger base area, and the historical trend was projected. The projected percentages were applied to the projected absolute data for the base area. Using the maximum industrial detail available prevents the camouflage of the differential trends among industries.

The projections reflect changes due to general growth or decline in an industry nationally as well as changes in the regional share of the industry total. This procedure implies that those comparative advantages and disadvantages of the regions for particular industries, which have prevailed in the past, will continue into the future.

Developmental Benchmarks

A comparison of the projections for the nation and those for the Appalachian Region discloses that much of the past economic distress may be expected to continue unless the historical trends are changed. A basic methodological question which challenged this office and those participating in this survey was, "For what future levels of economic activity should we be planning?" Developmental benchmarks provide this estimate of economic activity.

The developmental benchmarks are a quantification of the general goal statement contained in the Appalachian Act. Most of these goals are not easily quantified and no precise delineation of quantitative limits is expressed for those goals that can be directly quantified. It thus became part of the planning effort to develop a concise statement of goals contained in the Act as a preliminary step to prescribing goals that would be readily quantifiable.

The Act contains several statements that are goal oriented. They are as follows:

Region-wide development;

Joint federal and state effort to provide basic facilities essential to growth, to attack common problems, to meet common needs, on a coordinated and concerted basis;*/

Fostering of regional productivity and growth;

Study of federal, state, and local public and private programs to appropriately recommend effective additions;

Encouragement of private investment in industrial, commercial, and recreational projects; **/

*/ Appalachian Regional Development Act of 1965 (PL 89-4), Section 2.

**/ Appalachian Act, Section 102(2)(3)(6).

Increase the production of goods and services within the region;

Expand economic opportunity;

Enhance the welfare of its people;

Develop a Water Resources Plan that is a harmonious component of the total regional economic development program;*/

Increase opportunities for employment and reduce unemployment rate;

Increase average income and relative per capita income;

Economic and social development for a population and geographic area to be served by the investment.**/

Public Law 89-4 is silent as to what regional growth rate is desirable for Appalachia, but it can be implied from the Act that the rate of growth must be accelerated over the national average if the region is to catch up. The rate of growth required for the realization of the goals and objectives of the Act was in effect obtained from the Act itself. One of the problems faced by the Office of Appalachian Studies was to establish a time frame for the achievement of the goals and objectives. This office calculated the developmental benchmarks to ascertain and describe how much growth must occur in Appalachia if the region is to reach a semblance of parity with the rest of the nation. We use the term developmental benchmarks to describe the population, employment, and income growth required by the Act.

In the absence of a specified rate of growth, assumptions were used to calculate the developmental benchmarks. These assumptions are as follows:

1. The Region will reach a per capita income of at least 95% of the national average by the year 2020;
2. The Region will maintain, after 1980, the same relative population as a percent of the U. S.;

*/ Appalachian Act, Section 206(a).

**/ Appalachiaian Act, Section 224(a)(5).

3. Population per worker ratio for the Appalachian Region will reach the projected national rate. The national rate for year 2020 is 2.58.

Year 1980 served as the starting point for addition of the developmental benchmark population, employment and income. In most of the sub-regions the 1980 population projected by OBE was not changed. After 1980, the national rate of change was applied to calculate the year 2000 and 2020 population and employment. In establishing the population, employment and income objectives, studies currently underway were utilized where possible. These new totals were reviewed to ascertain if they adequately reflected the potential of the sub-regions. As a result of this review, some economic sub-region totals were revised.*

The projected employment for mining and agriculture was not revised when developmental benchmarks were calculated.

The use of Appalachian "developmental benchmarks" as a planning tool requires some care. Although the "benchmarks" have been adjusted to reflect developmental possibilities, further study may show that there are a number of sub-regions where use of the benchmarks may not reflect the true developmental prospects. Areas which have been exporting a great many people will not always be able to develop fast enough to reverse this trend. In this situation the benchmarks are unrealistic planning tools, and need to be adjusted accordingly.

Economic Sub-Regions

One of the most interesting and challenging problems encountered in this study was drawing the boundaries of the economic sub-regions. The economic sub-regions are based on the nodal-functional area concept. That is, to each urban center are attached the surrounding county units where the economic activity is focused directly or indirectly on that of the center. Each economic sub-region combines the place of residence and place of commuting within the economic sub-region boundaries. As a result of the foregoing analysis, twenty-six economic sub-regions were defined. All of the twenty counties of Mississippi were added as one,** to make a total of twenty-seven economic sub-regions of Appalachia. Of the twenty-seven economic sub-regions, fifteen (Numbers 2, 5, 7, 8, 9, 10, 13, 14, 15, 18, 19, 23, 24, 25 and 26) extend beyond the boundaries of the Appalachian Region. Population and employment are shown in Chapter 5.

*/ For a more detailed discussion of the developmental benchmarks, see Agenda Items 2 and 3, Minutes of the Fifth Meeting of the WDCCA and Agenda Item 4 of the Minutes of the Sixth Meeting of the WDCCA.

**/ The twenty counties in Mississippi were added to the Appalachian Region by the Congress in PL 90-103, The Appalachian Regional Development Act Amendments of 1967.

Water Sub-Regions

The water sub-region boundaries were drawn by APS to include state planning sub-regions, watershed boundaries and Standard Metropolitan Statistical Areas. Water sub-regions were given letter designations A through J. Sub-regions B, D, E, F, G, I, and J were further divided into water areas with a number designation (for example, B-1). There are a few instances where all three of the above mentioned could not be accommodated, but for the entire region the water sub-regions and areas provide satisfactory planning areas. These ten water sub-regions and the water areas are the planning areas on which the Report for Development of Water Resources in Appalachia is being analyzed and prepared. Population and employment are shown in Chapter 6.

State Planning Sub-Regions

The 59 state planning sub-regions previously mentioned were drawn by the states. These sub-regions are designed to accommodate the strategic and analytical considerations of the states in developing their Appalachian areas. Certain of these sub-regions were divided into A and B parts. Data presented in this Appendix was not disaggregated beyond the total planning sub-regions. Population and employment are shown in Chapter 6.

Income Measurement

A copy of the methodology for measuring historical personal income for the economic sub-regions will be provided by OBE on request. Also, the reader is referred to, "Measuring Regional Market Growth, A Case Study of the Delaware River Area," in January 1959 issue of Survey of Current Business.

Chapter 7 contains the historical and projected per capita income for the Appalachian portion of the economic sub-regions, and the developmental benchmarks per capita income.

Gross Output

In water resource development studies it is essential that an industrial base be established. This requires estimates of industrial water use requirements and waste loadings from industrial plants and their impacts on water quality during the projected life of a proposed project. The productivity per employee is one source of data used to establish the base for determining present industrial water use requirements and waste loadings by type of manufacturing industry and to

provide a base from which projections of water needs for industry can be made.

Productivity per employee for each of the six heavy water-using industries was available with the OBE projections for the economic sub-regions. These industries are those considered to have either large water intake requirements or waste loads which contribute heavily to pollution, or both. The projected productivity and employment will provide guides to the projected industrial activity that could occur.

The nation's output per worker was computed for the year 1960 by using gross product originating (GPO). Projections were made for 1980, 2000 and 2020 by using projected national estimates of GPO. The trends in productivity were calculated by OBE from data derived from 1947-63 National Income and Product Accounts.

The methodology to derive the economic sub-region productivity per worker was to establish the sub-region's share of the national total GPO for each manufacturing industry. For this scaling economic productivity factors of industrial output were determined from 1958 and 1963 value added by manufacture and employment for each of the six heavy water-using industries. To estimate the value added for areas not published, the value added data for Standard Metropolitan Statistical Areas (SMSAs) or counties that have published data was deducted from the state data to provide a state residual of value added. The state residual of value added was allocated in relation to the 1960 Census of Population employment for that industry. The industries value added data then can be aggregated to the sub-region and the 1958 and 1963 value added per worker are derived. The data was interpolated for 1960.

For each sub-region the relative share of the sub-region to the national totals were computed for each of the economic productivity factors. This relative share was then applied to the national total of GPO for each industry. The Census of Population employment series was adjusted to OBE series on number of workers engaged in production. The interpolation to 1960 was necessary so that the output series would correspond with 1960 Census of Population employment series.

A weighted average output per worker was derived for the economic sub-region by using the computed GPO by SMSA and residual areas and the respective employment of the 1960 Census of Population. This provided the 1960 GPO per worker.

In the projection process for the sub-region the 1960 output per worker is compared to the U. S. average. The dollar difference for 1960 is held constant to U. S. average for 1980, 2000, and 2020.

The developmental benchmarks only modified employment, therefore, no changes in output per worker were considered. Projections for the six water-using industries, plus indices for the nation are in Chapter 8.

CHAPTER 3

APPALACHIAN REGION ECONOMIC BASE STUDY EXPLANATORY NOTES

1. The historical population data given in each of the tables is taken from the Censuses of Population, 1940, 1950 and 1960. The enumeration date used was 1 April for each of these years.

2. Per capita income for Appalachian areas is calculated by using the 1 July population of the pertinent year, without showing the population data. In calculating per capita income, the historical populations used were the 1 July estimates and are slightly different from those shown.

3. Employment data are taken from the Census of Population.

4. Per capita income data is shown for the economic sub-regions, only. Income data were not available for the Water Areas or the State Planning Sub-Regions.

5. Population and employment data shown for the State Planning Sub-Regions are for that portion of sub-regions within the Appalachian Region.

6. Population and employment for year 1980 to 2020 are rounded to the nearest one thousand.

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CHAPTER 4

POPULATION AND EMPLOYMENT, 27 ECONOMIC SUB-REGIONS OF APPALACHIA

Economic Sub-regions 2, 5, 7, 8, 9, 10, 13, 14, 15, 18, 19, 23, 24, 25 and 26 include areas adjacent to the Appalachian Region. For these sub-regions extending beyond the Appalachian boundaries, data for the Appalachian portion is shown on the following page.

Organization of this chapter is a presentation of data for the United States, Economic Sub-regions of the Appalachian Region, and developmental benchmarks. A map at the end of this chapter shows the boundaries of the Economic Sub-regions.

TABLE I
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
UNITED STATES

	1940	1950	1960	1980	2000	2020
Employment ^{1/}	45,375,800	57,474,900	66,372,600	94,800,000	130,600,000	181,200,000
Agriculture	8,670,400	7,147,500	4,527,800	2,500,000	1,900,000	1,750,000
Mining	932,000	944,000	681,000	600,000	600,000	600,000
Construction	2,100,000	3,509,000	3,972,000	6,050,000	8,500,000	12,200,000
Manufacturing	10,755,100	14,818,200	18,229,400	24,800,000	31,300,000	40,400,000
Food	1,122,965	1,435,045	1,897,020	2,091,000	2,547,000	2,700,000
Textiles	1,169,604	1,258,735	993,058	970,000	947,000	924,000
Paper	333,455	475,807	603,561	856,000	1,218,000	1,743,000
Chemicals	446,944	669,136	899,903	1,274,000	1,741,000	2,400,000
Petroleum	204,411	292,300	293,562	306,000	315,000	329,000
Primary Metals	860,474	1,202,604	1,275,024	1,523,000	1,698,000	1,799,000
Transportation, etc.	3,173,000	4,515,000	4,640,000	5,100,000	5,300,000	5,500,000
Trade	7,680,000	10,742,000	12,275,000	18,400,000	26,000,000	35,780,000
Finance, etc.	1,493,000	1,949,000	2,805,000	5,600,000	8,940,000	13,150,000
Services	8,754,000	10,257,000	14,104,000	23,700,000	36,300,000	55,000,000
Public Administration	1,508,000	2,552,000	3,334,000	6,200,000	9,890,000	14,990,000
Armed Forces	310,000	1,040,000	1,804,000	1,850,000	1,870,000	1,830,000
Population ^{2/}	131,669,300	150,697,400	178,464,200	243,900,000	336,800,000	467,700,000
Population Per Worker	2.90	2.62	2.69	2.57	2.58	2.58

^{1/} Total U.S.

^{2/} Coterminous U.S.

TABLE II
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED ^{x/}
ECONOMIC SUB-REGION 1

	1940	1950	1960	1980	2000	2020
Employment.....	247,916	293,350	316,639	410,000	521,000	646,000
Agriculture.....	50,237	43,569	29,298	19,000	17,000	16,000
Mining.....	1,421	840	1,016	4,000	4,000	3,000
Construction.....	11,644	16,212	16,882	18,000	19,000	20,000
Manufacturing.....	70,140	94,586	114,587	153,000	191,000	245,000
Food.....	5,423	6,580	7,228	6,000	6,000	5,000
Textiles.....	4,223	3,611	1,896	a/	a/	a/
Paper.....	NA	1,556	1,158	1,000	1,000	1,000
Chemicals.....	1,642	1,476	2,278	3,000	5,000	7,000
Petroleum.....	NA	32	112	a/	a/	a/
Primary Metals.....	NA	3,388	3,008	2,000	2,000	2,000
Transportation, etc.....	18,802	21,958	17,721	17,000	17,000	15,000
Trade.....	36,500	48,462	49,222	71,000	99,000	126,000
Finance, etc.....	4,424	5,935	7,951	14,000	21,000	26,000
Services.....	47,884	52,906	69,654	99,000	129,000	160,000
Public Administration.....	6,864	8,576	10,023	15,000	24,000	35,000
Armed Forces.....	0	306	285	a/	a/	a/
Population.....	704,302	779,782	855,192	1,096,000	1,406,000	1,716,000
Population Per Worker.....	2.84	2.66	2.70	2.67	2.70	2.66

^{x/} Entirely within Appalachian Region.

a/ Data not of sufficient size to warrant projection.

NA Not available.

TABLE III
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 1

	1980	2000	2020
Employment.....	420,000	687,000	1,069,000
Agriculture.....	19,000	17,000	16,000
Mining.....	4,000	4,000	3,000
Construction.....	19,000	25,000	35,000
Manufacturing.....	157,000	262,000	382,000
Food.....	6,000	8,000	9,000
Textiles.....	a/	a/	a/
Paper.....	1,000	1,000	2,000
Chemicals.....	3,000	7,000	12,000
Petroleum.....	0	0	0
Primary Metals.....	2,000	3,000	4,000
Transportation, etc.....	17,000	22,000	25,000
Trade.....	74,000	137,000	219,000
Finance, etc.....	14,000	28,000	44,000
Services.....	100,000	159,000	287,000
Public Administration.....	16,000	33,000	58,000
Armed Forces.....	a/	a/	a/
Population.....	1,145,000	1,840,000	2,842,000
Population Per Worker.....	2.68	2.53	2.52

a/ Data not of sufficient size to warrant projection.

TABLE IV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION ^{2x/}

	1940	1950	1960	1980	2000	2020
Employment.....	820,363	1,016,105	1,112,995	1,424,000	1,774,000	2,200,000
Agriculture.....	78,702	61,018	40,556	21,000	18,000	18,000
Mining.....	10,427	8,242	4,359	4,000	4,000	3,000
Construction.....	32,836	51,161	58,960	88,000	113,000	145,000
Manufacturing.....	295,168	400,970	439,315	534,000	622,000	732,000
Food.....	25,867	32,405	38,529	37,000	38,000	35,000
Textiles.....	7,846	8,329	5,070	2,000	2,000	2,000
Paper.....	NA	13,040	13,008	13,000	11,000	9,000
Chemicals.....	17,578	22,401	23,809	23,000	22,000	21,000
Petroleum.....	NA	6,123	4,329	3,000	2,000	1,000
Primary Metals.....	NA	47,058	51,768	63,000	71,000	76,000
Transportation, etc.....	62,820	80,234	73,533	64,000	55,000	48,000
Trade.....	139,314	184,556	195,614	249,000	315,000	387,000
Finance, etc.....	21,504	26,988	36,846	66,000	92,000	118,000
Services.....	152,501	167,560	219,937	319,000	438,000	582,000
Public Administration.....	26,381	34,267	40,159	73,000	109,000	158,000
Armed Forces.....	710	1,109	3,716	6,000	8,000	9,000
Population.....	2,364,887	2,633,317	3,031,543	3,831,000	4,728,000	5,825,000
Population Per Worker.....	2.88	2.59	2.68	2.69	2.67	2.65

^{x/} Includes 11 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

TABLE V
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 2 ^{xx/}

	1940	1950	1960	1980	2000	2020
Employment.....	224,234	275,695	275,724	337,000	407,000	490,000
Agriculture.....	31,800	25,967	15,810	8,000	7,000	6,000
Mining.....	9,365	6,934	3,376	3,000	3,000	2,000
Construction.....	8,499	13,372	12,659	19,000	23,000	28,000
Manufacturing.....	76,003	106,208	108,449	124,000	138,000	136,000
Food.....	4,796	5,831	6,965	7,000	7,000	7,000
Textiles.....	2,311	3,242	1,232	1,000	1,000	1,000
Paper.....	NA	2,540	2,630	3,000	2,000	2,000
Chemicals.....	3,018	3,035	2,496	2,000	2,000	2,000
Petroleum.....	NA	3,826	2,560	2,000	1,000	1,000
Primary Metals.....	NA	8,933	10,461	13,000	16,000	17,000
Transportation, etc.....	15,074	20,190	17,857	15,000	13,000	11,000
Trade.....	33,743	46,069	47,105	60,000	76,000	93,000
Finance, etc.....	4,560	5,638	7,771	14,000	20,000	26,000
Services.....	39,622	44,325	54,835	79,000	106,000	135,000
Public Administration.....	5,480	6,769	7,579	14,000	20,000	32,000
Armed Forces.....	88	223	283	1,000	1,000	1,000
Population.....	675,858	741,597	784,542	965,000	1,177,000	1,427,000
Population Per Worker.....	3.01	2.69	2.85	2.86	2.89	2.91

^{xx/} Appalachian Portion.
NA Not available.

TABLE VI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 2

	1980	2000	2020
Employment.....	380,000	513,000	716,000
Agriculture.....	8,000	7,000	6,000
Mining.....	3,000	3,000	2,000
Construction.....	21,000	33,000	41,000
Manufacturing.....	136,000	179,000	244,000
Food.....	9,000	11,000	11,000
Textiles.....	1,000	1,000	1,000
Paper.....	3,000	3,000	3,000
Chemicals.....	6,000	6,000	7,000
Petroleum.....	2,000	1,000	1,000
Primary Metals.....	16,000	20,000	20,000
Transportation, etc.....	16,000	16,000	16,000
Trade.....	68,000	91,000	126,000
Finance, etc.....	17,000	26,000	38,000
Services.....	91,000	126,000	190,000
Public Administration.....	19,000	31,000	52,000
Armed Forces.....	1,000	1,000	1,000
Population.....	1,017,000	1,333,000	1,851,000
Population Per Worker.....	2.65	2.60	2.58

TABLE VII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 3 x/

	1940	1950	1960	1980	2000	2020
Employment.....	322,734	378,286	341,935	398,000	497,000	641,000
Agriculture.....	18,022	15,753	10,523	6,000	6,000	6,000
Mining.....	83,633	70,533	15,540	6,000	5,000	3,000
Construction.....	11,052	17,276	16,791	20,000	25,000	30,000
Manufacturing.....	64,983	109,161	132,198	157,000	180,000	221,000
Food.....	7,235	8,378	10,019	9,000	8,000	7,000
Textiles.....	18,618	19,555	12,964	7,000	5,000	4,000
Paper.....	NA	798	814	1,000	2,000	2,000
Chemicals.....	1,416	2,182	2,693	3,000	6,000	9,000
Petroleum.....	NA	148	175	a/	a/	a/
Primary Metals.....	NA	6,092	6,596	8,000	10,000	11,000
Transportation, etc.....	25,631	30,521	24,978	19,000	14,000	12,000
Trade.....	50,928	62,624	59,884	75,000	107,000	141,000
Finance, etc.....	6,410	7,424	9,021	13,000	15,000	16,000
Services.....	53,628	53,885	58,127	77,000	107,000	156,000
Public Administration.....	8,447	10,817	13,949	24,000	37,000	55,000
Armed Forces.....	NA	292	924	1,000	1,000	1,000
Population.....	1,175,634	1,055,419	960,934	1,103,000	1,357,000	1,728,000
Population Per Worker.....	3.64	2.79	2.81	2.77	2.73	2.70

x/ Entirely within Appalachian Region.

NA Not available.

a/ data not sufficient size to warrant projection.

TABLE VIII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 3

	1980	2000	2020
Employment.....	421,000	593,000	858,000
Agriculture.....	6,000	6,000	6,000
Mining.....	6,000	5,000	3,000
Construction.....	21,000	30,000	40,000
Manufacturing.....	158,000	220,000	298,000
Food.....	10,000	9,000	9,000
Textiles.....	7,000	6,000	5,000
Paper.....	1,000	2,000	3,000
Chemicals.....	3,000	6,000	10,000
Petroleum.....	a/	a/	a/
Primary Metals.....	8,000	12,000	14,000
Transportation, etc.....	20,000	17,000	17,000
Trade.....	79,000	128,000	180,000
Finance, etc.....	14,000	18,000	25,000
Services.....	90,000	128,000	208,000
Public Administration.....	26,000	40,000	80,000
Armed Forces.....	1,000	1,000	1,000
Population.....	1,103,000	1,523,000	2,120,000
Population Per Worker.....	2.62	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE IX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED ^{x/}
ECONOMIC SUB-REGION 4

	1940	1950	1960	1980	2000	2020
Employment.....	153,522	195,278	196,646	257,000	324,000	427,000
Agriculture.....	17,177	14,620	9,443	6,000	5,000	5,000
Mining.....	20,337	17,777	7,142	4,000	3,000	2,000
Construction.....	6,187	10,854	10,535	14,000	18,000	24,000
Manufacturing.....	41,977	64,847	71,601	93,000	106,000	136,000
Food.....	2,836	3,655	4,921	6,000	7,000	7,000
Textiles.....	7,151	8,151	4,930	3,000	1,000	1,000
Paper.....	NA	3,340	3,967	5,000	7,000	8,000
Chemicals.....	528	871	2,011	4,000	7,000	10,000
Petroleum.....	NA	33	74	a/	a/	a/
Primary Metals.....	NA	3,469	4,248	7,000	9,000	10,000
Transportation, etc.....	13,103	17,085	13,621	12,000	11,000	11,000
Trade.....	21,071	29,429	31,840	44,000	58,000	82,000
Finance, etc.....	2,590	3,261	4,323	7,000	10,000	12,000
Services.....	26,884	32,004	41,130	65,000	94,000	127,000
Public Administration.....	4,196	5,169	6,731	12,000	19,000	28,000
Armed Forces.....	0	232	280	a/	a/	a/
Population.....	551,085	559,511	571,242	728,000	902,000	1,165,000
Population Per Worker.....	3.59	2.87	2.90	2.83	2.78	2.73

^{x/} Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE X

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 4

	1980	2000	2020
Employment.....	265,000	385,000	484,000
Agriculture.....	6,000	5,000	5,000
Mining.....	4,000	3,000	2,000
Construction.....	14,000	19,000	26,000
Manufacturing.....	93,000	136,000	158,000
Food.....	6,000	7,000	8,000
Textiles.....	3,000	1,000	1,000
Paper.....	5,000	7,000	9,000
Chemicals.....	4,000	7,000	11,000
Petroleum.....	a/	a/	a/
Primary Metals.....	7,000	10,000	11,000
Transportation, etc.....	12,000	12,000	12,000
Trade.....	40,000	65,000	87,000
Finance, etc.....	7,000	15,000	25,000
Services.....	71,000	110,000	140,000
Public Administration.....	18,000	20,000	29,000
Armed Forces.....	a/	a/	a/
Population.....	770,000	967,000	1,249,000
Population Per Worker.....	2.90	2.53	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 5 ^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	479,549	585,706	644,096	855,000	1,114,000	1,452,000
Agriculture.....	67,366	57,981	41,781	28,000	26,000	24,000
Mining.....	11,469	8,686	5,513	5,000	5,000	5,000
Construction.....	26,443	36,569	38,055	46,000	54,000	62,000
Manufacturing.....	155,798	188,033	216,211	272,000	324,000	388,000
Food.....	14,745	18,844	24,165	26,000	30,000	30,000
Textiles.....	22,602	22,589	12,224	6,000	3,000	2,000
Paper.....	NA	8,089	9,704	13,000	16,000	20,000
Chemicals.....	13,177	9,310	9,966	12,000	15,000	19,000
Petroleum.....	NA	479	509	1,000	1,000	1,000
Primary Metals.....	NA	17,482	16,703	16,000	14,000	13,000
Transportation, etc.....	48,333	63,462	55,549	48,000	40,000	35,000
Trade.....	67,438	93,446	108,478	162,000	229,000	308,000
Finance, etc.....	8,824	11,699	17,033	34,000	54,000	78,000
Services.....	73,957	84,775	111,420	178,000	264,000	374,000
Public Administration.....	17,946	36,019	46,547	79,000	115,000	155,000
Armed Forces.....	1,975	5,036	3,509	3,000	3,000	3,000
Population.....	1,415,758	1,535,952	1,708,279	2,249,000	2,913,000	3,732,000
Population Per Worker.....	2.95	2.62	2.65	2.63	2.61	2.61

^{x/} Includes 7 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.
NA Not available.

TABLE XII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 5 ^{xx/}

	1940	1950	1960	1980	2000	2020
Employment.....	175,974	202,998	206,929	264,000	333,000	425,000
Agriculture.....	28,109	24,790	16,104	10,000	9,000	8,000
Mining.....	8,026	5,662	2,742	2,000	2,000	2,000
Construction.....	9,587	11,759	12,607	16,000	19,000	22,000
Manufacturing.....	43,050	50,470	58,914	76,000	91,000	109,000
Food.....	3,103	4,058	5,235	6,000	7,000	7,000
Textiles.....	5,825	5,332	3,722	2,000	1,000	1,000
Paper.....	NA	3,206	4,266	6,000	8,000	10,000
Chemicals.....	12,356	8,022	7,127	8,000	10,000	11,000
Petroleum.....	NA	37	86	a/	a/	a/
Primary Metals.....	NA	2,480	2,369	2,000	2,000	2,000
Transportation, etc.....	28,033	36,312	28,568	24,000	20,000	17,000
Trade.....	24,514	33,459	36,992	53,000	71,000	99,000
Finance, etc.....	2,823	3,529	4,635	9,000	14,000	20,000
Services.....	27,243	30,556	37,350	59,000	85,000	120,000
Public Administration.....	4,589	6,170	8,161	14,000	21,000	27,000
Armed Forces.....	0	291	856	1,000	1,000	1,000
Population.....	591,562	604,450	615,582	742,000	912,000	1,157,000
Population Per Worker.....	3.36	2.98	2.97	2.79	2.74	2.72

^{xx/} Appalachian Portion.^{NA} Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XIII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 5

	1980	2000	2020
Employment.....	275,000	400,000	504,000
Agriculture.....	10,000	9,000	8,000
Mining.....	2,000	2,000	2,000
Construction.....	19,000	22,000	26,000
Manufacturing.....	80,000	124,000	147,000
Food.....	11,000	12,000	13,000
Textiles.....	3,000	1,000	1,000
Paper.....	7,000	8,000	10,000
Chemicals.....	8,000	6,000	13,000
Petroleum.....	a/	a/	a/
Primary Metals.....	4,000	6,000	6,000
Transportation, etc.....	24,000	20,000	17,000
Trade.....	54,000	79,000	105,000
Finance, etc.....	10,000	25,000	28,000
Services.....	60,000	83,000	125,000
Public Administration.....	15,000	35,000	45,000
Armed Forces.....	1,000	1,000	1,000
Population.....	742,000	924,000	1,248,000
Population Per Worker.....	2.80	2.51	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XIV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 6 x/

	1940	1950	1960	1980	2000	2020
Employment.....	1,106,886	1,330,619	1,332,810	1,602,000	1,880,000	2,192,000
Agriculture.....	62,679	49,734	29,549	15,000	11,000	11,000
Mining.....	123,475	108,034	42,991	23,000	16,000	11,000
Construction.....	44,042	67,722	69,127	87,000	106,000	125,000
Manufacturing.....	371,226	475,098	499,261	562,000	607,000	660,000
Food.....	22,807	26,403	31,757	30,000	30,000	30,000
Textiles.....	1,811	2,214	1,036	a/	a/	a/
Paper.....	NA	4,448	4,898	5,000	6,000	6,000
Chemicals.....	5,306	10,332	14,746	23,000	36,000	57,000
Petroleum.....	NA	9,561	2,796	2,000	1,000	1,000
Primary Metals.....	NA	221,045	213,373	206,000	180,000	152,000
Transportation, etc.....	84,330	118,000	103,132	96,000	89,000	82,000
Trade.....	177,712	236,305	243,743	311,000	377,000	438,000
Finance, etc.....	28,605	35,549	45,491	76,000	99,000	122,000
Services.....	184,655	200,620	253,063	361,000	475,000	610,000
Public Administration.....	30,125	37,721	44,259	69,000	98,000	131,000
Armed Forces.....	37	1,836	2,194	2,000	2,000	2,000
Population.....	3,646,299	3,775,055	3,977,215	4,666,000	5,379,000	6,180,000
Population Per Worker.....	3.29	2.84	2.98	2.91	2.86	2.82

x/ Includes one county outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 6 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	1,076,966	1,293,112	1,295,319	1,520,000	1,795,000	2,092,000
Agriculture.....	59,253	47,085	27,865	15,000	11,000	10,000
Mining.....	122,301	106,994	42,148	23,000	16,000	10,000
Construction.....	43,002	66,282	67,800	90,000	106,000	115,000
Manufacturing.....	358,397	456,842	481,524	550,000	607,000	650,000
Food.....	22,466	25,964	31,252	30,000	30,000	33,000
Textiles.....	1,804	2,209	1,036	a/	a/	a/
Paper.....	NA	4,436	4,898	5,000	6,000	6,000
Chemicals.....	5,266	10,262	13,815	23,000	36,000	57,000
Petroleum.....	NA	9,561	2,796	2,000	1,000	1,000
Primary Metals.....	NA	221,045	203,256	206,000	180,000	152,000
Transportation, etc.....	82,703	115,676	101,130	99,000	89,000	80,000
Trade.....	173,318	230,461	237,028	300,000	377,000	420,000
Finance, etc.....	28,127	34,907	44,704	75,000	99,000	115,000
Services.....	180,328	196,048	247,508	311,000	390,000	570,000
Public Administration.....	29,500	37,016	43,432	55,000	98,000	120,000
Armed Forces.....	37	1,801	2,180	2,000	2,000	2,000
Population.....	3,543,218	3,672,438	3,870,212	4,505,000	5,163,000	5,975,000
Population Per Worker.....	3.29	2.84	2.98	2.96	2.90	2.81

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XVI

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 6

	1980	2000	2020
Employment.....	1,520,000	2,200,000	2,733,000
Agriculture.....	15,000	11,000	10,000
Mining.....	23,000	16,000	10,000
Construction.....	90,000	116,000	180,000
Manufacturing.....	550,000	725,000	835,000
Food.....	30,000	35,000	43,000
Textiles.....	a/ 5,000	a/ 7,000	a/ 9,000
Paper.....	23,000	37,000	77,000
Chemicals.....	2,000	1,000	1,000
Petroleum.....	206,000	189,000	183,000
Primary Metals.....	99,000	120,000	125,000
Transportation, etc.....	300,000	430,000	551,000
Trade.....	75,000	115,000	175,000
Finance, etc.....	311,000	550,000	675,000
Services.....	55,000	115,000	170,000
Public Administration.....	2,000	2,000	2,000
Armed Forces.....			
Population.....	4,539,000	6,200,000	7,708,000
Population Per Worker.....	2.89	2.85	2.84

a/ Data not of sufficient size to warrant projection.

TABLE XVII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 7 x/

	1940	1950	1960	1980	2000	2020
Employment.....	1,040,180	1,384,632	1,587,682	2,201,000	2,852,000	3,804,000
Agriculture.....	73,252	58,193	40,050	23,000	19,000	18,000
Mining.....	6,406	6,097	5,196	5,000	5,000	5,000
Construction.....	40,821	68,806	76,095	112,000	161,000	226,000
Manufacturing.....	411,063	587,838	672,757	883,000	1,018,000	1,301,000
Food.....	19,770	22,333	31,296	37,000	45,000	49,000
Textiles.....	5,388	7,598	5,721	4,000	3,000	3,000
Paper.....	NA	10,434	11,841	13,000	14,000	15,000
Chemicals.....	14,350	21,249	27,662	37,000	48,000	63,000
Petroleum.....	NA	4,867	4,721	6,000	6,000	6,000
Primary Metals.....	NA	132,779	129,494	125,000	108,000	97,000
Transportation, etc.....	78,974	113,120	110,236	113,000	113,000	117,000
Trade.....	185,155	249,506	281,040	389,000	516,000	657,000
Finance, etc.....	31,505	38,906	54,869	100,000	140,000	185,000
Services.....	183,925	215,761	291,755	490,000	749,000	1,106,000
Public Administration.....	28,476	44,519	53,404	85,000	130,000	188,000
Armed Forces.....	603	1,886	2,280	1,000	1,000	1,000
Population.....	2,962,669	3,458,372	4,300,220	5,870,000	7,539,000	9,989,000
Population Per Worker.....	2.85	2.50	2.71	2.67	2.64	2.63

x/ Includes 20 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

TABLE XVIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 7 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	41,821	50,084	51,448	69,000	89,000	118,000
Agriculture.....	10,332	8,855	5,926	3,000	3,000	3,000
Mining.....	3,102	2,889	1,584	1,000	1,000	1,000
Construction.....	1,722	2,470	2,821	4,000	6,000	10,000
Manufacturing.....	11,109	16,653	19,838	28,000	36,000	48,000
Food.....	615	753	909	1,000	1,000	2,000
Textiles.....	10	40	83	a/	a/	a/
Paper.....	NA	781	905	1,000	1,000	1,000
Chemicals.....	131	331	402	1,000	1,000	1,000
Petroleum.....	NA	6	0	0	0	0
Primary Metals.....	NA	2,667	2,245	2,000	2,000	2,000
Transportation, etc.....	2,478	3,385	3,093	3,000	3,000	3,000
Trade.....	5,559	7,562	8,347	12,000	16,000	20,000
Finance, etc.....	567	734	1,008	2,000	3,000	3,000
Services.....	5,966	6,401	7,651	14,000	18,000	27,000
Public Administration.....	986	1,113	1,157	2,000	3,000	3,000
Armed Forces.....	0	22	23	a/	a/	a/
Population.....	134,735	139,260	151,461	187,000	226,000	290,000
Population Per Worker.....	3.22	2.78	2.94	2.71	2.55	2.46

xx Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XIX

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 7

	1980	2000	2020
Employment.....	69,000	100,000	139,000
Agriculture.....	3,000	3,000	3,000
Mining.....	1,000	1,000	1,000
Construction.....	4,000	6,000	10,000
Manufacturing.....	28,000	40,000	47,000
Food.....	1,000	2,000	3,000
Textiles.....	a/	a/	a/
Paper.....	1,000	1,000	1,000
Chemicals.....	1,000	2,000	2,000
Petroleum.....	0	0	0
Primary Metals.....	2,000	3,000	3,000
Transportation, etc.....	3,000	4,000	4,000
Trade.....	12,000	18,000	23,000
Finance, etc.....	2,000	4,000	7,000
Services.....	14,000	20,000	37,000
Public Administration.....	2,000	4,000	7,000
Armed Forces.....	a/	a/	a/
Population.....	187,000	258,000	358,000
Population Per Worker.....	2.76	2.57	2.58

a/ Data not sufficient size to warrant projection.

TABLE XX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 8 ^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	352,016	454,031	539,033	815,000	1,185,000	1,657,000
Agriculture.....	57,616	49,108	26,987	14,000	10,000	7,000
Mining.....	10,444	9,581	5,307	4,000	4,000	3,000
Construction.....	17,591	26,918	33,869	54,000	79,000	113,000
Manufacturing.....	81,023	116,540	159,803	257,000	364,000	479,000
Food.....	9,047	10,925	13,704	14,000	14,000	13,000
Textiles.....	1,400	1,656	1,392	1,000	1,000	1,000
Paper.....	NA	4,215	6,815	13,000	21,000	31,000
Chemicals.....	5,472	5,830	10,255	16,000	25,000	40,000
Petroleum.....	NA	1,033	1,384	2,000	2,000	2,000
Primary Metals.....	NA	6,834	10,417	18,000	23,000	26,000
Transportation, etc.....	29,348	40,529	37,988	37,000	36,000	35,000
Trade.....	62,643	88,920	99,658	152,000	218,000	342,000
Finance, etc.....	10,253	15,422	21,078	37,000	51,000	66,000
Services.....	67,120	81,825	117,787	203,000	340,000	498,000
Public Administration.....	14,726	23,456	29,065	48,000	72,000	101,000
Armed Forces.....	1,252	1,732	7,491	9,000	11,000	13,000
Population.....	1,111,696	1,246,850	1,520,632	2,228,000	3,177,000	4,392,000
Population Per Worker.....	3.16	2.75	2.82	2.73	2.68	2.65

^{x/} Includes 8 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

TABLE XXI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 8 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	131,456	154,918	158,697	222,000	310,000	409,000
Agriculture.....	30,659	26,312	11,519	6,000	4,000	3,000
Mining.....	9,382	8,475	4,010	3,000	3,000	2,000
Construction.....	6,019	9,187	10,444	16,000	22,000	31,000
Manufacturing.....	29,652	39,685	50,269	75,000	102,000	125,000
Food.....	1,875	2,532	3,349	4,000	4,000	4,000
Textiles.....	338	666	107	a/	a/	a/
Paper.....	NA	2,352	4,068	8,000	14,000	21,000
Chemicals.....	4,043	3,703	6,330	10,000	16,000	26,000
Petroleum.....	NA	89	262	1,000	1,000	1,000
Primary Metals.....	NA	2,437	4,760	9,000	12,000	14,000
Transportation, etc.....	8,447	11,763	11,163	11,000	11,000	10,000
Trade.....	19,530	27,471	29,312	44,000	61,000	92,000
Finance, etc.....	2,125	2,701	3,596	6,000	8,000	10,000
Services.....	21,751	24,679	32,282	50,000	82,000	110,000
Public Administration.....	3,891	4,495	5,988	11,000	17,000	26,000
Armed Forces.....	0	150	114	a/	a/	a/
Population.....	470,825	468,089	502,026	680,000	921,000	1,193,000
Population Per Worker.....	3.58	3.02	3.16	3.06	2.97	2.91

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 8

	1980	2000	2020
Employment.....	243,000	358,000	505,000
Agriculture.....	6,000	4,000	3,000
Mining.....	3,000	3,000	2,000
Construction.....	16,000	24,000	35,000
Manufacturing.....	77,000	120,000	146,000
Food.....	4,000	4,000	5,000
Textiles.....	a/	a/	a/
Paper.....	8,000	14,000	21,000
Chemicals.....	10,000	16,000	26,000
Petroleum.....	1,000	1,000	1,000
Primary Metals.....	11,000	12,000	20,000
Transportation, etc.....	11,000	11,000	11,000
Trade.....	45,000	66,000	105,000
Finance, etc.....	11,000	15,000	20,000
Services.....	60,000	93,000	152,000
Public Administration.....	14,000	22,000	31,000
Armed Forces.....	a/	a/	a/
Population.....	680,000	939,000	1,304,000
Population Per Worker.....	2.79	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 9x/

	1940	1950	1960	1980	2000	2020
Employment.....	653,244	844,821	992,073	1,368,000	1,873,000	2,502,000
Agriculture.....	86,892	74,580	47,910	27,000	23,000	22,000
Mining.....	1,208	1,274	1,777	2,000	3,000	3,000
Construction.....	32,148	46,713	55,836	87,000	129,000	189,000
Manufacturing.....	211,532	290,968	359,647	482,000	637,000	841,000
Food.....	18,425	22,235	29,406	31,000	33,000	32,000
Textiles.....	3,366	3,249	3,466	3,000	4,000	4,000
Paper.....	NA	17,143	19,564	23,000	26,000	27,000
Chemicals.....	10,548	13,978	20,063	29,000	40,000	58,000
Petroleum.....	NA	2,176	2,426	3,000	3,000	3,000
Primary Metals.....	NA	19,553	18,163	15,000	13,000	10,000
Transportation, etc.....	43,875	60,135	61,574	63,000	64,000	66,000
Trade.....	115,621	159,388	178,039	241,000	327,000	420,000
Finance, etc.....	20,569	25,932	36,784	63,000	90,000	116,000
Services.....	118,889	138,963	187,891	299,000	443,000	622,000
Public Administration.....	19,304	42,671	55,225	96,000	148,000	214,000
Armed Forces.....	3,206	4,197	7,390	8,000	9,000	9,000
Population.....	1,859,007	2,187,743	2,715,166	3,678,000	4,973,000	6,592,000
Population Per Worker.....	2.85	2.59	2.74	2.69	2.66	2.63

x/ Includes 26 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.
NA Not available.

TABLE XXIV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 9 ^{xx/}

	1940	1950	1960	1980	2000	2020
Employment.....	40,542	46,638	58,356	80,000	90,000	135,000
Agriculture.....	19,989	18,077	9,305	5,000	5,000	4,000
Mining.....	168	220	98	a/	a/	a/
Construction.....	2,171	2,912	2,319	4,000	5,000	8,000
Manufacturing.....	5,639	8,925	20,201	31,000	34,000	55,000
Food.....	618	1,222	1,368	2,000	3,000	3,000
Textiles.....	320	590	252	a/	a/	a/
Paper.....	NA	349	390	a/	a/	a/
Chemicals.....	280	556	701	1,000	1,000	2,000
Petroleum.....	NA	98	128	a/	a/	a/
Primary Metals.....	NA	340	331	a/	a/	a/
Transportation, etc.....	1,722	2,525	1,737	2,000	2,000	2,000
Trade.....	4,396	6,357	4,980	7,000	9,000	13,000
Finance, etc.....	533	801	692	1,000	2,000	3,000
Services.....	5,143	5,679	18,077	29,000	31,000	49,000
Public Administration.....	781	1,122	912	1,000	2,000	3,000
Armed Forces.....	0	20	35	a/	a/	a/
Population.....	133,564	138,572	179,411	227,000	283,000	388,000
Population Per Worker.....	3.29	2.97	3.08	2.84	2.84	2.84

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 9

	1980	2000	2020
Employment.....	80,000	120,000	168,000
Agriculture.....	5,000	5,000	4,000
Mining.....	a/	a/	a/
Construction.....	4,000	8,000	10,000
Manufacturing.....	31,000	40,000	57,000
Food.....	2,000	3,000	3,000
Textiles.....	a/	a/	a/
Paper.....	a/	a/	a/
Chemicals.....	2,000	3,000	4,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	2,000	4,000	4,000
Trade.....	7,000	16,000	20,000
Finance, etc.....	1,000	6,000	8,000
Services.....	29,000	35,000	55,000
Public Administration.....	1,000	6,000	10,000
Armed Forces.....	a/	a/	a/
Population.....	227,000	314,000	435,000
Population Per Worker.....	2.85	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXVI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 10 x/

	1940	1950	1960	1980	2000	2020
Employment.....	79,339	96,312	103,596	147,000	199,000	277,000
Agriculture.....	25,823	22,649	14,295	9,000	7,000	8,000
Mining.....	729	537	565	a/	a/	a/
Construction.....	5,506	8,031	8,061	10,000	12,000	14,000
Manufacturing.....	16,013	24,014	30,219	48,000	66,000	91,000
Food.....	1,477	2,849	4,404	6,000	8,000	9,000
Textiles.....	4,400	7,297	4,484	2,000	1,000	1,000
Paper.....	NA	174	413	1,000	2,000	3,000
Chemicals.....	2,567	5,732	6,368	8,000	10,000	12,000
Petroleum.....	NA	0	0	0	0	0
Primary Metals.....	NA	150	219	a/	a/	a/
Transportation, etc.....	3,311	5,285	5,855	8,000	9,000	10,000
Trade.....	9,153	14,633	17,078	28,000	41,000	58,000
Finance, etc.....	973	1,397	2,149	5,000	9,000	15,000
Services.....	15,958	17,363	22,017	32,000	43,000	61,000
Public Administration.....	1,708	2,287	3,223	7,000	12,000	20,000
Armed Forces.....	165	116	134	a/	a/	a/
Population.....	244,231	266,296	286,399	396,000	529,000	730,000
Population Per Worker.....	3.08	2.76	2.75	2.69	2.66	2.64

x/ Includes 9 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXVII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 10 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	9,710	9,793	7,970	10,000	12,000	17,000
Agriculture.....	4,800	4,622	2,446	1,000	1,000	1,000
Mining.....	19	16	25	a/	a/	a/
Construction.....	517	644	686	1,000	1,000	1,000
Manufacturing.....	1,108	1,158	1,293	2,000	3,000	4,000
Food.....	65	205	265	1,000	1,000	1,000
Textiles.....	16	11	4	a/	a/	a/
Paper.....	NA	3	44	a/	a/	a/
Chemicals.....	7	30	4	1,000	1,000	1,000
Petroleum.....	NA	0	0	0	0	0
Primary Metals.....	NA	1	17	a/	a/	a/
Transportation, etc.....	248	370	434	1,000	1,000	2,000
Trade.....	575	813	861	1,000	2,000	2,000
Finance, etc.....	41	51	89	1,000	1,000	1,000
Services.....	2,145	1,865	1,769	2,000	2,000	4,000
Public Administration.....	257	249	359	1,000	1,000	2,000
Armed Forces.....	0	5	8	a/	a/	a/
Population.....	33,763	29,710	25,957	30,000	36,000	48,000
Population Per Worker.....	3.48	3.03	3.26	3.00	3.00	2.81

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 10

	1980	2000	2020
Employment.....	10,000	16,000	22,000
Agriculture.....	1,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	1,000	1,000	1,000
Manufacturing.....	2,000	5,000	7,000
Food.....	1,000	1,000	1,000
Textiles.....	a/	a/	a/
Paper.....	a/	a/	a/
Chemicals.....	1,000	1,000	1,000
Petroleum.....	0	0	0
Primary Metals.....	a/	a/	a/
Transportation, etc.....	1,000	1,000	1,000
Trade.....	1,000	3,000	5,000
Finance, etc.....	1,000	1,000	1,000
Services.....	2,000	3,000	5,000
Public Administration.....	1,000	1,000	1,000
Armed Forces.....	a/	a/	a/
Population.....	30,000	41,000	58,000
Population Per Worker.....	2.99	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 11^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	93,706	119,359	101,222	122,000	146,000	174,000
Agriculture.....	15,539	12,422	5,185	2,000	1,000	1,000
Mining.....	20,044	26,219	13,750	13,000	13,000	13,000
Construction.....	3,698	6,185	5,278	6,000	6,000	7,000
Manufacturing.....	13,752	20,739	20,465	29,000	36,000	44,000
Food.....	862	1,107	1,436	2,000	2,000	2,000
Textiles.....	180	131	191	a/	a/	a/
Paper.....	NA	433	257	a/	a/	a/
Chemicals.....	482	1,600	251	a/	a/	a/
Petroleum.....	NA	148	9	a/	a/	a/
Primary Metals.....	NA	987	1,158	2,000	2,000	2,000
Transportation, etc.....	7,242	10,061	9,484	9,000	9,000	9,000
Trade.....	12,716	18,811	18,650	25,000	31,000	38,000
Finance, etc.....	1,297	1,811	2,179	3,000	5,000	5,000
Services.....	16,838	19,991	22,669	29,000	37,000	47,000
Public Administration.....	2,580	3,034	3,444	6,000	8,000	10,000
Armed Forces.....	0	86	118	a/	a/	a/
Population.....	368,036	377,680	333,979	388,000	450,000	522,000
Population Per Worker.....	3.93	3.16	3.31	3.18	3.08	3.18

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXX

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 11

	1980	2000	2020
Employment.....	135,000	204,000	288,000
Agriculture.....	2,000	1,000	1,000
Mining.....	13,000	13,000	13,000
Construction.....	7,000	9,000	12,000
Manufacturing.....	33,000	58,000	75,000
Food.....	2,000	3,000	3,000
Textiles.....	a/	a/	a/
Paper.....	a/	a/	a/
Chemicals.....	a/	a/	a/
Petroleum.....	a/	a/	a/
Primary Metals.....	2,000	3,000	3,000
Transportation, etc.....	10,000	13,000	16,000
Trade.....	28,000	45,000	65,000
Finance, etc.....	3,000	7,000	9,000
Services.....	32,000	46,000	80,000
Public Administration.....	7,000	12,000	17,000
Armed Forces.....	a/	a/	a/
Population.....	388,000	536,000	744,000
Population Per Worker.....	2.83	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXXI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 12 x/

	1940	1950	1960	1980	2000	2020
Employment.....	414,436	500,743	415,743	482,000	581,000	702,000
Agriculture.....	77,716	54,407	18,142	5,000	2,000	1,000
Mining.....	102,813	127,313	55,845	30,000	21,000	14,000
Construction.....	16,308	25,211	23,759	26,000	32,000	42,000
Manufacturing.....	56,321	77,453	89,123	114,000	139,000	175,000
Food.....	3,977	4,819	6,465	7,000	7,000	7,000
Textiles.....	318	1,802	1,318	1,000	1,000	1,000
Paper.....	NA	162	369	1,000	1,000	2,000
Chemicals.....	10,074	17,416	21,676	27,000	33,000	41,000
Petroleum.....	NA	2,602	2,034	2,000	2,000	1,000
Primary Metals.....	NA	12,427	18,307	31,000	42,000	49,000
Transportation, etc.....	34,067	48,066	40,398	35,000	31,000	27,000
Trade.....	49,433	77,067	78,267	107,000	138,000	166,000
Finance, etc.....	5,057	7,437	9,783	18,000	27,000	36,000
Services.....	62,305	69,827	84,173	120,000	155,000	193,000
Public Administration.....	10,213	13,404	15,206	25,000	35,000	47,000
Armed Forces.....	203	558	783	1,000	1,000	1,000
Population.....	1,595,756	1,699,878	1,561,995	1,711,000	1,967,000	2,284,000
Population Per Worker.....	3.85	3.39	3.76	3.55	3.38	3.25

x/ Entirely within Appalachian Region.

NA Not available.

TABLE XXXII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 12

	1980	2000	2020
Employment.....	543,000	750,000	1,050,000
Agriculture.....	5,000	2,000	1,000
Mining.....	30,000	21,000	14,000
Construction.....	30,000	45,000	70,000
Manufacturing.....	120,000	185,000	249,000
Food.....	8,000	11,000	13,000
Textiles.....	1,000	2,000	2,000
Paper.....	1,000	2,000	4,000
Chemicals.....	27,000	35,000	42,000
Petroleum.....	3,000	3,000	3,000
Primary Metals.....	31,000	48,000	57,000
Transportation, etc.....	40,000	45,000	50,000
Trade.....	122,000	170,000	250,000
Finance, etc.....	21,000	40,000	60,000
Services.....	145,000	190,000	280,000
Public Administration.....	29,000	51,000	75,000
Armed Forces.....	1,000	1,000	1,000
Population.....	1,711,000	2,100,000	2,750,000
Population Per Worker.....	3.17	2.80	2.62

TABLE XXXIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 13^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	219,438	240,991	228,522	305,000	438,000	630,000
Agriculture.....	114,540	93,443	51,302	23,000	15,000	12,000
Mining.....	13,854	18,688	10,701	9,000	10,000	11,000
Construction.....	8,300	14,492	15,637	23,000	32,000	45,000
Manufacturing.....	10,647	20,013	34,883	71,000	121,000	198,000
Food.....	3,255	4,321	5,620	6,000	7,000	7,000
Textiles.....	240	462	266	a/	a/	a/
Paper.....	NA	15	83	a/	a/	a/
Chemicals.....	88	273	433	1,000	2,000	2,000
Petroleum.....	NA	254	678	1,000	1,000	1,000
Primary Metals.....	NA	100	449	1,000	1,000	1,000
Transportation, etc.....	8,802	12,459	11,993	12,000	12,000	13,000
Trade.....	21,368	30,251	37,246	60,000	90,000	130,000
Finance, etc.....	2,422	3,551	5,175	10,000	18,000	27,000
Services.....	33,812	39,336	50,137	78,000	112,000	157,000
Public Administration.....	5,193	8,545	11,162	19,000	28,000	37,000
Armed Forces.....	0	213	286	a/	a/	a/
Population.....	783,817	773,983	744,550	938,000	1,280,000	1,768,000
Population Per Worker.....	3.57	3.21	3.26	3.08	2.92	2.81

x/ Includes 15 counties outside the Appalachian Region. Data for the Appalachian portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXXIV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 13xx/

	1940	1950	1960	1980	2000	2020
Employment.....	127,285	132,299	103,838	119,000	160,000	220,000
Agriculture.....	76,458	60,200	28,716	12,000	7,000	6,000
Mining.....	13,418	18,243	10,223	9,000	9,000	10,000
Construction.....	3,155	6,631	6,582	9,000	12,000	16,000
Manufacturing.....	4,634	8,403	12,812	23,000	36,000	57,000
Food.....	545	746	1,398	2,000	2,000	3,000
Textiles.....	100	86	124	a/	a/	a/
Paper.....	NA	5	0	0	0	0
Chemicals.....	29	120	247	1,000	1,000	1,000
Petroleum.....	NA	28	585	1,000	1,000	1,000
Primary Metals.....	NA	55	352	a/	a/	a/
Transportation, etc.....	4,305	6,251	5,253	4,000	4,000	4,000
Trade.....	9,007	12,830	15,639	25,000	37,000	51,000
Finance, etc.....	676	1,057	1,327	2,000	4,000	5,000
Services.....	13,575	14,856	18,861	28,000	40,000	57,000
Public Administration.....	2,057	3,730	4,350	7,000	11,000	14,000
Armed Forces.....	0	98	75	a/	a/	a/
Population.....	506,586	471,167	406,702	445,000	571,000	743,000
Population Per Worker.....	3.98	3.56	3.92	3.74	3.57	3.37

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XXXV

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 13

	1980	2000	2020
Employment.....	148,000	234,000	330,000
Agriculture.....	12,000	7,000	6,000
Mining.....	9,000	9,000	10,000
Construction.....	11,000	17,000	22,000
Manufacturing.....	33,000	65,000	104,000
Food.....	3,000	4,000	4,000
Textiles.....	a/	a/	a/
Paper.....	0	0	0
Chemicals.....	1,000	1,000	1,000
Petroleum.....	1,000	1,000	1,000
Primary Metals.....	a/	a/	a/
Transportation, etc.....	6,000	6,000	7,000
Trade.....	28,000	47,000	67,000
Finance, etc.....	5,000	9,000	14,000
Services.....	35,000	59,000	81,000
Public Administration.....	9,000	15,000	19,000
Armed Forces.....	a/	a/	a/
Population.....	445,000	615,000	854,000
Population Per Worker.....	3.01	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXXVI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 14 ^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	198,001	228,542	245,461	329,000	445,000	600,000
Agriculture.....	57,335	43,617	26,559	13,000	10,000	8,000
Mining.....	2,019	1,759	1,245	1,000	1,000	1,000
Construction.....	9,584	15,477	15,684	21,000	27,000	33,000
Manufacturing.....	48,359	62,659	78,450	107,000	135,000	175,000
Food.....	2,535	3,657	5,124	6,000	8,000	9,000
Textiles.....	18,144	21,595	20,330	21,000	24,000	27,000
Paper.....	NA	3,485	3,580	4,000	4,000	3,000
Chemicals.....	6,564	7,077	6,766	6,000	4,000	3,000
Petroleum.....	NA	61	61	a/	a/	a/
Primary Metals.....	NA	2,200	2,900	5,000	7,000	8,000
Transportation, etc.....	16,400	21,786	18,975	16,000	14,000	12,000
Trade.....	23,595	34,354	39,842	64,000	97,000	141,000
Finance, etc.....	3,152	4,312	6,567	14,000	23,000	33,000
Services.....	33,805	38,288	50,880	81,000	121,000	172,000
Public Administration.....	3,752	6,068	6,833	11,000	16,000	24,000
Armed Forces.....	0	222	426	1,000	1,000	1,000
Population.....	589,258	639,160	680,490	896,000	1,193,000	1,592,000
Population Per Worker.....	2.98	2.80	2.78	2.72	2.68	2.65

^{x/} Includes 11 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

^{a/} Data not of sufficient size to warrant projection.

TABLE XXXVII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 14 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	39,150	46,027	42,056	60,000	80,000	105,000
Agriculture.....	11,139	8,472	4,384	2,000	2,000	1,000
Mining.....	1,105	1,095	634	1,000	1,000	1,000
Construction.....	2,309	3,267	1,954	4,000	5,000	6,000
Manufacturing.....	10,286	13,936	14,982	24,000	30,000	39,000
Food.....	354	468	663	1,000	1,000	1,000
Textiles.....	2,549	2,972	2,665	3,000	3,000	4,000
Paper.....	NA	1,998	2,179	2,000	2,000	2,000
Chemicals.....	2,191	3,539	3,919	4,000	3,000	3,000
Petroleum.....	NA	0	0	0	0	0
Primary Metals.....	NA	140	206	1,000	1,000	1,000
Transportation, etc.....	3,556	4,777	3,807	3,000	3,000	3,000
Trade.....	3,815	6,039	7,488	10,000	16,000	22,000
Finance, etc.....	375	590	758	1,000	3,000	4,000
Services.....	5,867	6,603	7,372	13,000	17,000	25,000
Public Administration.....	698	1,218	1,252	2,000	3,000	4,000
Armed Forces.....	0	30	121	a/	a/	a/
Population.....	121,455	129,544	125,443	156,000	200,000	263,000
Population Per Worker.....	3.10	2.81	2.75	2.60	2.50	2.51

xx/ Appalachian Portion.

NA Not available.

TABLE XXXVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 14

	1980	2000	2020
Employment.....	60,000	84,000	116,000
Agriculture.....	2,000	2,000	1,000
Mining.....	1,000	1,000	1,000
Construction.....	4,000	5,000	6,000
Manufacturing.....	24,000	30,000	40,000
Food.....	1,000	1,000	1,000
Textiles.....	3,000	3,000	5,000
Paper.....	2,000	3,000	3,000
Chemicals.....	4,000	3,000	3,000
Petroleum.....	0	0	0
Primary Metals.....	1,000	1,000	2,000
Transportation, etc.....	3,000	3,000	3,000
Trade.....	10,000	13,000	26,000
Finance, etc.....	1,000	4,000	6,000
Services.....	13,000	23,000	29,000
Public Administration.....	2,000	3,000	4,000
Armed Forces.....	a/	a/	a/
Population.....	156,000	216,000	299,000
Population Per Worker.....	2.60	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XXXIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 15^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	277,637	348,261	415,692	626,000	902,000	1,263,000
Agriculture.....	66,873	56,534	33,152	18,000	14,000	13,000
Mining.....	790	1,038	1,217	1,000	2,000	2,000
Construction.....	10,712	20,466	24,283	41,000	61,000	91,000
Manufacturing.....	111,465	141,054	187,597	258,000	344,000	456,000
Food.....	2,963	4,704	7,284	10,000	14,000	16,000
Textiles.....	61,432	68,363	79,526	97,000	122,000	150,000
Paper.....	NA	1,061	1,716	4,000	6,000	9,000
Chemicals.....	893	2,898	4,531	9,000	14,000	22,000
Petroleum.....	NA	33	55	a/	a/	a/
Primary Metals.....	NA	462	484	1,000	1,000	1,000
Transportation, etc.....	8,082	14,404	17,931	30,000	38,000	43,000
Trade.....	29,232	49,220	61,295	112,000	173,000	246,000
Finance, etc.....	4,236	6,383	11,301	30,000	56,000	87,000
Services.....	42,131	51,358	68,327	116,000	184,000	279,000
Public Administration.....	4,116	7,606	10,003	19,000	29,000	44,000
Armed Forces.....	0	198	586	1,000	1,000	2,000
Population.....	768,654	878,404	1,035,300	1,573,000	2,281,000	3,210,000
Population Per Worker.....	2.77	2.52	2.49	2.51	2.53	2.54

^{x/} Includes 7 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

^{a/} Data not of sufficient size to warrant projection.

TABLE XL

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 15 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	114,116	137,493	158,544	236,000	341,000	480,000
Agriculture.....	38,189	33,874	19,688	11,000	8,000	8,000
Mining.....	608	749	902	1,000	2,000	2,000
Construction.....	4,238	8,019	9,261	16,000	23,000	35,000
Manufacturing.....	36,804	46,248	65,035	93,000	129,000	176,000
Food.....	1,226	1,822	2,806	4,000	6,000	6,000
Textiles.....	13,249	15,385	21,631	29,000	39,000	51,000
Paper.....	NA	175	320	1,000	1,000	2,000
Chemicals.....	192	250	436	1,000	1,000	2,000
Petroleum.....	NA	5	4	a/ a/	a/ a/	a/ a/
Primary Metals.....	NA	181	192	14,000	18,000	20,000
Transportation, etc.....	2,965	5,706	7,717	40,000	62,000	87,000
Trade.....	11,732	17,955	22,041	9,000	15,000	24,000
Finance, etc.....	1,532	2,159	3,411	45,000	74,000	112,000
Services.....	16,350	19,318	26,375	7,000	10,000	16,000
Public Administration.....	1,698	3,384	3,871	a/ a/	a/ a/	a/ a/
Armed Forces.....	0	81	243			
Population.....	348,308	374,151	418,072	617,000	888,000	1,240,000
Population Per Worker.....	3.05	2.72	2.40	2.61	2.60	2.58

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XLI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 15

	1980	2000	2020
Employment.....	241,000	392,000	629,000
Agriculture.....	11,000	8,000	8,000
Mining.....	1,000	2,000	2,000
Construction.....	16,000	25,000	43,000
Manufacturing.....	98,000	157,000	234,000
Food.....	4,000	6,000	6,000
Textiles.....	36,000	45,000	57,000
Paper.....	1,000	3,000	3,000
Chemicals.....	2,000	4,000	6,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	14,000	19,000	31,000
Trade.....	40,000	72,000	114,000
Finance, etc.....	9,000	18,000	30,000
Services.....	45,000	79,000	117,000
Public Administration.....	7,000	12,000	20,000
Armed Forces.....	a/	a/	a/
Population.....	617,000	1,007,000	1,624,000
Population Per Worker.....	2.56	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XLII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 16^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	158,781	195,233	192,350	262,000	371,000	520,000
Agriculture.....	55,002	45,753	26,185	14,000	11,000	10,000
Mining.....	20,631	26,078	17,078	17,000	21,000	20,000
Construction.....	5,930	12,072	12,522	17,000	20,000	25,000
Manufacturing.....	29,175	40,984	49,868	70,000	99,000	142,000
Food.....	1,766	2,742	3,759	4,000	5,000	6,000
Textiles.....	5,632	6,007	4,521	4,000	3,000	2,000
Paper.....	NA	1,442	1,669	2,000	2,000	3,000
Chemicals.....	8,557	12,864	13,707	15,000	15,000	16,000
Petroleum.....	NA	127	a/0	a/	a/	a/
Primary Metals.....	NA	318	441	1,000	1,000	1,000
Transportation, etc.....	7,497	11,323	11,271	13,000	14,000	16,000
Trade.....	15,424	27,092	32,090	54,000	82,000	119,000
Finance, etc.....	1,417	2,299	3,864	10,000	17,000	26,000
Services.....	21,106	25,311	34,548	60,000	95,000	145,000
Public Administration.....	2,599	4,116	4,666	7,000	12,000	17,000
Armed Forces.....	0	205	258	a/	a/	a/
Population.....	585,405	649,954	647,297	827,000	1,109,000	1,490,000
Population Per Worker.....	3.69	3.33	3.37	3.16	2.99	2.87

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XLIII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 16

	1980	2000	2020
Employment.....	283,000	435,000	614,000
Agriculture.....	14,000	11,000	10,000
Mining.....	17,000	21,000	20,000
Construction.....	18,000	24,000	30,000
Manufacturing.....	76,000	117,000	169,000
Food.....	4,000	6,000	7,000
Textiles.....	4,000	4,000	2,000
Paper.....	2,000	2,000	4,000
Chemicals.....	16,000	18,000	19,000
Petroleum.....	a/	a/	a/
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	14,000	17,000	19,000
Trade.....	59,000	97,000	140,000
Finance, etc.....	11,000	20,000	31,000
Services.....	66,000	114,000	174,000
Public Administration.....	8,000	14,000	21,000
Armed Forces.....	a/	a/	a/
Population.....	827,000	1,142,000	1,586,000
Population Per Worker.....	2.92	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XLIV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 17 ^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	219,190	267,969	265,579	387,000	555,000	800,000
Agriculture.....	61,255	50,457	24,773	9,000	5,000	4,000
Mining.....	30,492	27,579	11,649	6,000	5,000	3,000
Construction.....	8,815	20,025	18,492	23,000	31,000	38,000
Manufacturing.....	40,328	55,714	75,826	132,000	181,000	251,000
Food.....	3,190	4,567	7,169	10,000	12,000	14,000
Textiles.....	13,706	10,784	11,294	13,000	13,000	15,000
Paper.....	NA	443	521	1,000	1,000	1,000
Chemicals.....	339	8,598	17,908	41,000	72,000	116,000
Petroleum.....	NA	187	161	a/	a/	a/
Primary Metals.....	NA	8,275	7,783	7,000	6,000	5,000
Transportation, etc.....	11,797	17,802	16,227	17,000	17,000	17,000
Trade.....	26,060	42,276	48,654	80,000	127,000	189,000
Finance, etc.....	2,559	3,901	6,223	15,000	26,000	41,000
Services.....	32,279	41,281	54,540	92,000	146,000	232,000
Public Administration.....	5,605	8,537	8,629	13,000	17,000	25,000
Armed Forces.....	0	397	566	a/	a/	a/
Population.....	785,435	894,904	876,239	1,189,000	1,617,000	2,250,000
Population Per Worker.....	3.58	3.34	3.30	3.07	2.91	2.81

^{x/} Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XLV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 17

	1980	2000	2020
Employment.....	407,000	625,000	882,000
Agriculture.....	9,000	5,000	4,000
Mining.....	6,000	5,000	3,000
Construction.....	24,000	35,000	42,000
Manufacturing.....	139,000	220,000	277,000
Food.....	11,000	14,000	15,000
Textiles.....	14,000	15,000	17,000
Paper.....	1,000	1,000	2,000
Chemicals.....	43,000	81,000	128,000
Petroleum.....	a/	a/	a/
Primary Metals.....	9,000	7,000	6,000
Transportation, etc.....	18,000	19,000	19,000
Trade.....	84,000	143,000	209,000
Finance, etc.....	16,000	29,000	45,000
Services.....	97,000	150,000	255,000
Public Administration.....	14,000	19,000	28,000
Armed Forces.....	a/	a/	a/
Population.....	1,189,000	1,642,000	2,280,000
Population Per Worker.....	2.92	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XLVI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 18 ^{x/}

	1940	1950	1960	1980	2000	2020
Employment.....	336,038	396,443	434,554	503,000	689,000	992,000
Agriculture.....	144,740	114,267	64,101	31,000	23,000	19,000
Mining.....	2,478	2,870	2,459	2,000	3,000	3,000
Construction.....	13,732	27,671	30,058	41,000	54,000	72,000
Manufacturing.....	46,117	64,210	96,539	124,000	194,000	298,000
Food.....	5,587	7,808	10,128	10,000	11,000	11,000
Textiles.....	3,943	4,284	3,721	4,000	3,000	3,000
Paper.....	NA	572	528	a/	a/	a/
Chemicals.....	6,464	8,315	7,586	6,000	4,000	3,000
Petroleum.....	NA	145	176	a/	a/	a/
Primary Metals.....	NA	882	927	1,000	1,000	1,000
Transportation, etc.....	15,029	23,354	23,811	29,000	32,000	35,000
Trade.....	39,721	60,160	73,851	84,000	117,000	179,000
Finance, etc.....	6,418	9,297	14,744	33,000	56,000	84,000
Services.....	59,363	68,095	89,832	105,000	139,000	207,000
Public Administration.....	8,440	12,872	16,296	30,000	47,000	70,000
Armed Forces.....	0	13,647	22,863	24,000	24,000	25,000
Population.....	1,048,129	1,103,148	1,188,198	1,365,000	1,842,000	2,623,000
Population Per Worker.....	3.12	2.78	2.73	2.71	2.67	2.64

^{x/} Includes 31 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

^{a/} Data not of sufficient size to warrant projection.

TABLE XLVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 18 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	50,666	53,028	51,687	58,000	80,000	120,000
Agriculture.....	36,063	28,934	16,149	8,000	6,000	5,000
Mining.....	376	929	611	a/	a/	a/
Construction.....	1,296	3,216	3,694	5,000	6,000	8,000
Manufacturing.....	3,028	6,354	13,301	20,000	32,000	48,000
Food.....	222	438	637	1,000	1,000	1,000
Textiles.....	80	226	61	a/	a/	a/
Paper.....	NA	20	22	a/	a/	a/
Chemicals.....	9	19	49	a/	a/	a/
Petroleum.....	NA	0	60	a/	a/	a/
Primary Metals.....	NA	0	18	a/	a/	a/
Transportation, etc.....	963	1,571	1,539	2,000	2,000	2,000
Trade.....	3,285	5,065	6,794	8,000	13,000	20,000
Finance, etc.....	220	346	620	2,000	3,000	4,000
Services.....	4,616	5,511	7,638	11,000	14,000	28,000
Public Administration.....	819	1,074	1,291	2,000	4,000	5,000
Armed Forces.....	0	28	50	0	0	0
Population.....	185,107	172,016	152,514	161,000	207,000	299,000
Population Per Worker.....	3.65	3.24	2.97	2.76	2.59	2.58

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE XLVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 18

	1980	2000	2020
Employment.....	61,000	86,000	120,000
Agriculture.....	8,000	6,000	5,000
Mining.....	a/	a/	a/
Construction.....	5,000	6,000	8,000
Manufacturing.....	21,000	33,000	48,000
Food.....	1,000	1,000	1,000
Textiles.....	a/	a/	a/
Paper.....	a/	a/	a/
Chemicals.....	a/	a/	a/
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	2,000	2,000	2,000
Trade.....	8,000	15,000	20,000
Finance, etc.....	2,000	3,000	4,000
Services.....	12,000	16,000	28,000
Public Administration.....	3,000	5,000	5,000
Armed Forces.....	a/	0	0
Population.....	161,000	221,000	299,000
Population Per Worker.....	2.67	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE XLIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 19 x/

	1940	1950	1960	1980	2000	2020
Employment.....	345,656	423,021	479,449	633,000	877,000	1,201,000
Agriculture.....	77,680	55,794	23,989	8,000	4,000	2,000
Mining.....	751	593	672	a/	a/	a/
Construction.....	13,439	24,048	29,253	44,000	56,000	79,000
Manufacturing.....	137,006	174,277	208,217	265,000	313,000	388,000
Food.....	4,645	6,228	10,150	14,000	19,000	22,000
Textiles.....	107,398	126,435	123,527	137,000	143,000	166,000
Paper.....	NA	747	1,936	5,000	10,000	16,000
Chemicals.....	1,561	3,194	4,938	8,000	14,000	21,000
Petroleum.....	NA	113	641	1,000	1,000	1,000
Primary Metals.....	NA	2,014	2,185	3,000	3,000	4,000
Transportation, etc.....	13,131	21,914	26,137	40,000	49,000	56,000
Trade.....	37,520	62,284	76,320	113,000	182,000	262,000
Finance, etc.....	4,545	7,539	13,970	24,000	47,000	80,000
Services.....	56,772	66,875	90,503	120,000	197,000	290,000
Public Administration.....	4,812	7,699	10,023	19,000	29,000	44,000
Armed Forces.....	0	1,998	365	a/	a/	a/
Population.....	928,988	1,072,325	1,220,721	1,616,000	2,242,000	3,076,000
Population Per Worker.....	2.69	2.53	2.55	2.55	2.56	2.56

x/ Includes 14 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE I.

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 19 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	48,481	58,529	66,688	90,000	130,000	175,000
Agriculture.....	14,220	10,693	4,319	1,000	1,000	1,000
Mining.....	69	68	24	a/	a/	a/
Construction.....	2,096	3,019	3,780	6,000	7,000	9,000
Manufacturing.....	19,625	26,620	34,676	48,000	63,000	78,000
Food.....	325	448	942	1,000	2,000	3,000
Textiles.....	11,645	14,125	15,746	19,000	21,000	27,000
Paper.....	NA	51	94	a/	a/	a/
Chemicals.....	19	145	141	a/	a/	a/
Petroleum.....	NA	0	0	0	0	0
Primary Metals.....	NA	57	96	a/	a/	a/
Transportation, etc.....	1,089	1,626	2,057	3,000	4,000	5,000
Trade.....	3,774	6,776	8,307	12,000	19,000	29,000
Finance, etc.....	270	483	1,072	2,000	5,000	9,000
Services.....	6,683	8,266	11,324	16,000	28,000	40,000
Public Administration.....	655	946	1,100	2,000	3,000	4,000
Armed Forces.....	0	32	29	a/	a/	a/
Population.....	151,555	168,122	180,498	234,000	331,000	437,000
Population Per Worker.....	3.13	2.87	2.71	2.61	2.55	2.50

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 19

	1980	2000	2020
Employment.....	90,000	151,000	222,000
Agriculture.....	1,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	6,000	7,000	9,000
Manufacturing.....	48,000	75,000	103,000
Food.....	1,000	3,000	3,000
Textiles.....	19,000	21,000	24,000
Paper.....	a/	a/	a/
Chemicals.....	a/	a/	a/
Petroleum.....	0	0	0
Primary Metals.....	a/	a/	a/
Transportation, etc.....	3,000	5,000	6,000
Trade.....	12,000	23,000	35,000
Finance, etc.....	2,000	6,000	11,000
Services.....	16,000	31,000	52,000
Public Administration.....	2,000	3,000	5,000
Armed Forces.....	a/	a/	a/
Population.....	234,000	387,000	572,000
Population Per Worker.....	2.61	2.57	2.58

TABLE LII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 20 x/

	1940	1950	1960	1980	2000	2020
Employment.....	89,568	109,698	113,429	155,000	209,000	280,000
Agriculture.....	26,369	23,844	11,236	4,000	3,000	2,000
Mining.....	1,098	849	902	1,000	1,000	1,000
Construction.....	4,557	7,661	8,228	11,000	15,000	20,000
Manufacturing.....	20,984	28,761	38,759	60,000	78,000	100,000
Food.....	839	960	1,475	2,000	3,000	3,000
Textiles.....	7,562	9,778	11,888	15,000	17,000	20,000
Paper.....	NA	4,580	5,980	9,000	14,000	20,000
Chemicals.....	2,859	2,656	4,765	9,000	15,000	23,000
Petroleum.....	NA	11	8	a/	a/	a/
Primary Metals.....	NA	32	71	1,000	1,000	1,000
Transportation, etc.....	3,971	5,765	5,180	6,000	6,000	6,000
Trade.....	10,958	16,390	19,129	29,000	42,000	57,000
Finance, etc.....	1,171	1,610	2,554	6,000	10,000	15,000
Services.....	18,431	21,219	23,846	33,000	48,000	70,000
Public Administration.....	2,029	3,506	3,502	5,000	6,000	9,000
Armed Forces.....	0	93	93	a/	a/	a/
Population.....	305,653	328,374	332,369	440,000	578,000	748,000
Population Per Worker.....	3.41	2.99	2.94	2.84	2.77	2.72

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LIII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 20

	1980	2000	2020
Employment.....	163,000	236,000	327,000
Agriculture.....	4,000	3,000	2,000
Mining.....	1,000	1,000	1,000
Construction.....	12,000	17,000	22,000
Manufacturing.....	63,000	88,000	118,000
Food.....	2,000	3,000	4,000
Textiles.....	16,000	19,000	23,000
Paper.....	10,000	16,000	23,000
Chemicals.....	10,000	16,000	27,000
Petroleum.....	a/	a/	a/
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	6,000	7,000	7,000
Trade.....	31,000	48,000	67,000
Finance, etc.....	6,000	11,000	18,000
Services.....	35,000	54,000	82,000
Public Administration.....	5,000	7,000	10,000
Armed Forces.....	a/	a/	a/
Population.....	440,000	608,000	844,000
Population Per Worker.....	2.69	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LIV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 21 x/

	1940	1950	1960	1980	2000	2020
Employment.....	200,840	237,435	253,496	356,000	503,000	699,000
Agriculture.....	61,471	51,511	23,099	9,000	5,000	3,000
Mining.....	4,286	4,339	3,373	3,000	3,000	3,000
Construction.....	10,453	13,014	16,432	23,000	33,000	46,000
Manufacturing.....	55,125	75,241	94,693	133,000	177,000	238,000
Food.....	2,288	3,092	5,596	8,000	12,000	15,000
Textiles.....	22,357	28,594	33,576	44,000	54,000	66,000
Paper.....	NA	934	2,430	6,000	10,000	15,000
Chemicals.....	926	2,876	4,550	9,000	15,000	24,000
Petroleum.....	NA	326	138	a/	a/	a/
Primary Metals.....	NA	4,121	3,108	2,000	1,000	1,000
Transportation, etc.....	8,773	13,679	14,545	18,000	20,000	22,000
Trade.....	21,860	33,950	40,430	65,000	99,000	144,000
Finance, etc.....	3,034	4,639	7,525	19,000	34,000	50,000
Services.....	29,904	34,603	45,008	71,000	109,000	160,000
Public Administration.....	4,502	6,180	8,036	15,000	23,000	33,000
Armed Forces.....	1,432	279	355	a/	a/	a/
Population.....	645,826	704,433	745,262	1,006,000	1,383,000	1,888,000
Population Per Worker.....	3.22	2.97	2.94	2.83	2.75	2.70

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 21

	1980	2000	2020
Employment.....	371,000	535,000	747,000
Agriculture.....	9,000	5,000	3,000
Mining.....	3,000	3,000	3,000
Construction.....	24,000	35,000	49,000
Manufacturing.....	139,000	190,000	254,000
Food.....	8,000	13,000	16,000
Textiles.....	46,000	57,000	71,000
Paper.....	6,000	11,000	16,000
Chemicals.....	9,000	16,000	26,000
Petroleum.....	a/	a/	a/
Primary Metals.....	2,000	1,000	1,000
Transportation, etc.....	19,000	21,000	24,000
Trade.....	68,000	105,000	153,000
Finance, etc.....	20,000	36,000	55,000
Services.....	73,000	116,000	171,000
Public Administration.....	16,000	24,000	35,000
Armed Forces.....	a/	a/	a/
Population.....	1,062,000	1,389,000	1,929,000
Population Per Worker.....	2.71	2.60	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LVI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 22 x/

	1940	1950	1960	1980	2000	2020
Employment.....	123,386	150,249	178,140	307,000	516,000	806,000
Agriculture.....	64,695	58,534	25,060	9,000	5,000	3,000
Mining.....	615	542	449	a/	a/	a/
Construction.....	4,305	9,559	14,900	25,000	37,000	56,000
Manufacturing.....	16,708	25,746	51,556	104,000	173,000	255,000
Food.....	1,122	1,910	4,948	9,000	12,000	16,000
Textiles.....	7,484	6,714	3,684	2,000	1,000	1,000
Paper.....	NA	339	88	a/	a/	a/
Chemicals.....	897	1,926	3,281	7,000	10,000	17,000
Petroleum.....	NA	0	85	a/	a/	a/
Primary Metals.....	NA	3,850	5,916	10,000	12,000	14,000
Transportation, etc.....	4,186	7,220	9,201	13,000	20,000	25,000
Trade.....	11,564	20,360	28,490	58,000	97,000	163,000
Finance, etc.....	1,272	2,127	3,767	11,000	23,000	37,000
Services.....	17,527	21,704	34,012	68,000	126,000	207,000
Public Administration.....	2,410	4,295	6,792	15,000	31,000	56,000
Armed Forces.....	104	162	3,913	4,000	4,000	4,000
Population.....	439,204	468,799	533,422	863,000	1,399,000	2,145,000
Population Per Worker.....	3.56	3.12	2.99	2.81	2.71	2.66

x/ Includes 4 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LVII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 22 x/

	1940	1950	1960	1980	2000	2020
Employment.....	100,949	126,730	154,183	275,000	467,000	733,000
Agriculture.....	52,384	48,375	20,185	7,000	4,000	3,000
Mining.....	585	498	401	a/	a/	a/
Construction.....	3,418	8,013	13,104	23,000	34,000	52,000
Manufacturing.....	13,167	21,339	44,112	93,000	157,000	235,000
Food.....	806	1,420	3,999	8,000	10,000	14,000
Textiles.....	6,336	5,575	2,673	1,000	1,000	1,000
Paper.....	NA	314	52	a/	a/	a/
Chemicals.....	882	1,857	3,176	7,000	10,000	17,000
Petroleum.....	NA	0	71	a/	a/	a/
Primary Metals.....	NA	3,748	5,742	10,000	12,000	14,000
Transportation, etc.....	3,609	6,321	8,326	11,000	19,000	24,000
Trade.....	9,678	17,751	25,215	52,000	87,000	145,000
Finance, etc.....	1,096	1,896	3,338	10,000	21,000	33,000
Services.....	14,805	18,527	29,501	61,000	113,000	186,000
Public Administration.....	2,103	3,856	6,101	14,000	28,000	51,000
Armed Forces.....	104	154	3,900	4,000	4,000	4,000
Population.....	371,108	401,736	471,081	773,000	1,265,000	1,954,000
Population Per Worker.....	3.68	3.17	3.04	2.81	2.71	2.66

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LVIII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 22

	1980	2000	2020
Employment.....	290,000	482,000	756,000
Agriculture.....	7,000	4,000	3,000
Mining.....	a/	a/	a/
Construction.....	24,000	35,000	53,000
Manufacturing.....	100,000	162,000	238,000
Food.....	9,000	11,000	15,000
Textiles.....	2,000	1,000	1,000
Paper.....	a/	a/	a/
Chemicals.....	7,000	9,000	17,000
Petroleum.....	a/	a/	a/
Primary Metals.....	10,000	12,000	15,000
Transportation, etc.....	12,000	19,000	23,000
Trade.....	55,000	90,000	153,000
Finance, etc.....	10,000	21,000	35,000
Services.....	64,000	118,000	194,000
Public Administration.....	14,000	29,000	53,000
Armed Forces.....	4,000	4,000	4,000
Population.....	773,000	1,265,000	1,954,000
Population Per Worker.....	2.66	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 23 x/

	1940	1950	1960	1980	2000	2020
Employment.....	220,724	266,950	295,034	425,000	587,000	820,000
Agriculture.....	63,445	38,502	14,550	4,000	1,000	1,000
Mining.....	236	279	460	a/	a/	a/
Construction.....	6,542	15,817	18,203	27,000	40,000	58,000
Manufacturing.....	79,986	110,563	132,194	184,000	233,000	311,000
Food.....	2,145	2,924	4,286	5,000	8,000	10,000
Textiles.....	69,119	89,966	87,630	99,000	106,000	127,000
Paper.....	NA	406	1,135	3,000	5,000	8,000
Chemicals.....	1,102	963	1,140	1,000	1,000	2,000
Petroleum.....	NA	10	62	a/	a/	a/
Primary Metals.....	NA	504	447	a/	a/	a/
Transportation, etc.....	6,117	10,954	10,859	14,000	18,000	20,000
Trade.....	21,321	36,665	43,562	71,000	107,000	156,000
Finance, etc.....	2,569	4,624	7,748	17,000	33,000	57,000
Services.....	37,160	44,302	57,466	93,000	137,000	193,000
Public Administration.....	3,348	4,988	6,100	10,000	13,000	19,000
Armed Forces.....	0	256	3,892	5,000	5,000	5,000
Population.....	620,738	686,861	749,934	1,083,000	1,498,000	2,098,000
Population Per Worker.....	2.81	2.57	2.54	2.55	2.55	2.56

x/ Includes 5 counties outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 23 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	164,718	207,539	237,228	348,000	485,000	678,000
Agriculture.....	44,312	28,088	11,050	3,000	1,000	1,000
Mining.....	225	260	411	a/	a/	a/
Construction.....	5,107	12,591	14,772	22,000	33,000	48,000
Manufacturing.....	60,367	84,407	104,598	149,000	191,000	255,000
Food.....	1,732	2,467	3,553	4,000	7,000	9,000
Textiles.....	51,997	67,079	65,317	75,000	81,000	97,000
Paper.....	NA	314	52	a/	a/	a/
Chemicals.....	886	803	1,003	1,000	1,000	1,000
Petroleum.....	NA	10	62	a/	a/	a/
Primary Metals.....	NA	453	412	a/	a/	a/
Transportation, etc.....	4,837	9,107	9,007	12,000	15,000	16,000
Trade.....	17,051	30,244	36,128	59,000	90,000	131,000
Finance, etc.....	2,113	3,828	6,499	14,000	28,000	48,000
Services.....	28,119	34,915	45,959	76,000	112,000	158,000
Public Administration.....	2,587	3,874	4,951	8,000	10,000	16,000
Armed Forces.....	0	225	3,853	5,000	5,000	5,000
Population.....	471,812	534,892	597,918	883,000	1,243,000	1,744,000
Population Per Worker.....	2.86	2.58	2.52	2.54	2.56	2.57

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXI

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 23

	1980	2000	2020
Employment.....	348,000	565,000	886,000
Agriculture.....	3,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	22,000	38,000	60,000
Manufacturing.....	149,000	223,000	336,000
Food.....	4,000	7,000	10,000
Textiles.....	78,000	81,000	104,000
Paper.....	a/	a/	a/
Chemicals.....	1,000	1,000	2,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	12,000	17,000	22,000
Trade.....	59,000	105,000	172,000
Finance, etc.....	14,000	33,000	63,000
Services.....	76,000	130,000	207,000
Public Administration.....	8,000	13,000	20,000
Armed Forces.....	5,000	5,000	5,000
Population.....	883,000	1,454,000	2,285,000
Population Per Worker.....	2.54	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LXII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 24 x/

	1940	1950	1960	1980	2000	2020
Employment.....	443,903	545,813	663,431	1,027,000	1,450,000	2,139,000
Agriculture.....	113,333	73,190	29,791	8,000	3,000	2,000
Mining.....	1,549	2,057	1,596	2,000	2,000	2,000
Construction.....	19,917	37,000	45,509	68,000	95,000	146,000
Manufacturing.....	100,332	138,371	192,760	293,000	435,000	660,000
Food.....	7,518	12,939	22,691	38,000	61,000	73,000
Textiles.....	45,977	52,127	43,804	39,000	36,000	37,000
Paper.....	NA	2,758	5,716	15,000	28,000	42,000
Chemicals.....	4,466	3,831	6,331	12,000	19,000	29,000
Petroleum.....	NA	435	1,160	2,000	2,000	2,000
Primary Metals.....	NA	3,377	4,252	5,000	7,000	7,000
Transportation, etc.....	24,984	40,609	50,344	72,000	88,000	98,000
Trade.....	63,746	100,124	128,455	202,000	300,000	434,000
Finance, etc.....	12,228	18,470	31,502	71,000	112,000	180,000
Services.....	94,386	107,500	147,620	256,000	341,000	522,000
Public Administration.....	11,425	24,004	30,273	50,000	69,000	91,000
Armed Forces.....	2,003	4,478	5,581	5,000	5,000	4,000
Population.....	1,225,050	1,413,059	1,741,300	2,673,000	3,757,000	5,530,000
Population Per Worker.....	2.76	2.59	2.63	2.60	2.59	2.59

x/ Includes 23 counties outside the Appalachian Region. Data for the Appalachian Portion is shown in the following pages.

NA Not available.

TABLE LXIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 24 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	131,708	150,457	166,963	214,000	310,000	472,000
Agriculture.....	55,392	37,332	14,856	4,000	1,000	1,000
Mining.....	886	837	594	1,000	1,000	1,000
Construction.....	4,092	8,827	12,811	17,000	24,000	38,000
Manufacturing.....	36,394	50,537	66,605	88,000	135,000	205,000
Food.....	818	3,121	6,861	13,000	23,000	29,000
Textiles.....	20,438	23,721	20,268	18,000	17,000	18,000
Paper.....	0	227	1,609	5,000	10,000	15,000
Chemicals.....	1,826	726	2,153	4,000	7,000	10,000
Petroleum.....	0	64	298	a/	a/	a/
Primary Metals.....	0	312	843	1,000	2,000	2,000
Transportation, etc.....	3,303	6,036	7,943	10,000	13,000	16,000
Trade.....	10,977	20,252	25,933	36,000	54,000	83,000
Finance, etc.....	988	1,886	3,982	7,000	12,000	20,000
Services.....	17,601	21,456	29,756	42,000	58,000	94,000
Public Administration.....	2,075	3,153	4,266	7,000	10,000	13,000
Armed Forces.....	0	141	217	2,000	2,000	1,000
Population.....	401,593	422,156	461,876	580,000	835,000	1,250,000
Population Per Worker.....	3.05	2.81	2.77	2.73	2.70	2.65

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 24

	1980	2000	2020
Employment.....	243,000	348,000	484,000
Agriculture.....	4,000	1,000	1,000
Mining.....	1,000	1,000	1,000
Construction.....	23,000	28,000	40,000
Manufacturing.....	100,000	138,000	205,000
Food.....	13,000	23,000	29,000
Textiles.....	18,000	17,000	18,000
Paper.....	5,000	10,000	15,000
Chemicals.....	4,000	7,000	10,000
Petroleum.....	1,000	1,000	1,000
Primary Metals.....	2,000	3,000	5,000
Transportation, etc.....	10,000	18,000	20,000
Trade.....	36,000	55,000	85,000
Finance, etc.....	7,000	12,000	17,000
Services.....	48,000	74,000	94,000
Public Administration.....	12,000	18,000	20,000
Armed Forces.....	2,000	2,000	1,000
Population.....	655,000	905,000	1,256,000
Population Per Worker.....	2.70	2.60	2.58

TABLE LXV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 25 x/

	1940	1950	1960	1980	2000	2020
Employment.....	364,511	443,609	456,185	642,000	889,000	1,213,000
Agriculture.....	101,657	72,016	28,237	9,000	4,000	2,000
Mining.....	29,552	26,651	10,676	6,000	4,000	3,000
Construction.....	11,750	23,486	29,605	41,000	53,000	90,000
Manufacturing.....	79,629	113,091	132,232	195,000	268,000	334,000
Food.....	4,708	6,272	11,309	16,000	22,000	26,000
Textiles.....	14,153	18,008	13,306	11,000	9,000	8,000
Paper.....	NA	2,866	4,837	11,000	18,000	27,000
Chemicals.....	2,151	2,284	3,665	7,000	12,000	18,000
Petroleum.....	NA	1,851	679	a/	a/	a/
Primary Metals.....	NA	42,101	40,232	41,000	36,000	33,000
Transportation, etc.....	18,405	29,636	30,057	35,000	36,000	38,000
Trade.....	43,051	72,273	82,605	124,000	177,000	238,000
Finance, etc.....	7,189	11,395	16,410	34,000	55,000	80,000
Services.....	65,476	79,594	103,516	158,000	230,000	335,000
Public Administration.....	7,066	13,769	18,543	35,000	57,000	88,000
Armed Forces.....	736	1,692	4,304	5,000	5,000	5,000
Population.....	1,180,873	1,320,311	1,386,813	1,861,000	2,495,000	3,328,000
Population Per Worker.....	3.24	2.97	3.04	2.91	2.81	2.75

x/ Includes two counties that are outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXVI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 25 ^{xx/}

	1940	1950	1960	1980	2000	2020
Employment.....	348,353	431,811	446,528	629,900	872,000	1,196,000
Agriculture.....	88,864	64,630	24,312	7,000	3,000	2,000
Mining.....	29,557	26,640	10,677	6,000	4,000	3,000
Construction.....	11,493	23,117	29,087	40,000	50,000	87,000
Manufacturing.....	79,163	112,056	130,567	189,000	263,000	325,000
Food.....	4,632	6,140	10,422	14,000	19,000	22,000
Textiles.....	13,987	17,791	12,970	11,000	9,000	8,000
Paper.....	NA	2,866	4,908	11,000	18,000	27,000
Chemicals.....	2,127	2,256	3,566	7,000	12,000	18,000
Petroleum.....	NA	1,851	679	a/	a/	a/
Primary Metals.....	NA	42,064	46,147	41,000	36,000	33,000
Transportation, etc.....	18,166	29,323	29,729	35,000	35,000	38,000
Trade.....	42,436	71,327	81,529	123,000	176,000	235,000
Finance, etc.....	7,143	11,319	16,283	33,000	53,000	80,000
Services.....	63,904	78,162	101,736	157,000	227,000	331,000
Public Administration.....	6,891	13,541	18,304	34,000	56,000	90,000
Armed Forces.....	736	1,696	4,304	5,000	5,000	5,000
Population.....	1,136,155	1,282,997	1,353,676	1,823,000	2,454,000	3,278,000
Population Per Worker.....	3.26	2.97	3.05	2.89	2.81	2.74

xx/ Appalachian Portion.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXVII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 25

	1980	2000	2020
Employment.....	629,000	959,000	1,355,000
Agriculture.....	7,000	3,000	2,000
Mining.....	6,000	4,000	3,000
Construction.....	40,000	55,000	98,000
Manufacturing.....	189,000	280,000	401,000
Food.....	14,000	23,000	29,000
Textiles.....	11,000	10,000	9,000
Paper.....	11,000	19,000	30,000
Chemicals.....	7,000	13,000	20,000
Petroleum.....	a/	a/	a/
Primary Metals.....	41,000	38,000	36,000
Transportation, etc.....	35,000	40,000	42,000
Trade.....	123,000	187,000	261,000
Finance, etc.....	33,000	56,000	85,000
Services.....	157,000	268,000	362,000
Public Administration.....	34,000	61,000	96,000
Armed Forces.....	5,000	5,000	5,000
Population.....	1,823,000	2,518,000	3,497,000
Population Per Worker.....	2.89	2.63	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LXVIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 26 x/

	1940	1950	1960	1980	2000	2020
Employment.....	276,493	305,578	307,644	376,000	468,000	596,000
Agriculture.....	106,310	62,693	26,991	8,000	3,000	2,000
Mining.....	311	337	522	a/	a/	a/
Construction.....	8,361	16,225	16,025	19,000	21,000	25,000
Manufacturing.....	53,982	70,995	73,753	85,000	103,000	130,000
Food.....	3,667	4,604	8,074	10,000	14,000	15,000
Textiles.....	34,624	41,038	37,295	41,000	45,000	53,000
Paper.....	NA	138	311	1,000	2,000	3,000
Chemicals.....	1,385	1,258	996	a/	a/	a/
Petroleum.....	NA	39	97	a/	a/	a/
Primary Metals.....	NA	937	1,179	2,000	2,000	2,000
Transportation, etc.....	8,618	12,797	12,456	13,000	13,000	14,000
Trade.....	24,897	40,719	44,893	68,000	94,000	125,000
Finance, etc.....	2,977	5,377	8,213	20,000	28,000	41,000
Services.....	50,893	59,920	73,077	105,000	137,000	175,000
Public Administration.....	8,369	11,205	16,194	28,000	43,000	62,000
Armed Forces.....	11,775	25,310	35,520	30,000	26,000	22,000
Population.....	751,596	798,410	845,251	1,019,000	1,255,000	1,584,000
Population Per Worker.....	2.72	2.61	2.74	2.71	2.68	2.66

x/ Includes 19 counties that are outside the Appalachian Region. Data for the Appalachian Portion is shown on the following pages.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 26 xx/

	1940	1950	1960	1980	2000	2020
Employment.....	55,488	54,499	51,880	64,000	81,000	106,000
Agriculture.....	24,874	14,153	5,003	1,000	a/ a/	a/ a/
Mining.....	64	62	99	a/ a/	4,000	5,000
Construction.....	1,084	2,526	2,907	4,000	33,000	42,000
Manufacturing.....	17,210	21,060	23,450	27,000	2,000	3,000
Food.....	229	343	830	1,000	21,000	25,000
Textiles.....	13,753	15,618	15,746	18,000	a/ a/	a/ a/
Paper.....	NA	4	6	a/ a/	a/ a/	a/ a/
Chemicals.....	119	132	194	a/ a/	1,000	1,000
Petroleum.....	NA	0	6	1,000	2,000	2,000
Primary Metals.....	NA	286	620	2,000	15,000	21,000
Transportation, etc.....	823	1,476	1,548	10,000	3,000	4,000
Trade.....	3,073	5,439	6,346	2,000	19,000	25,000
Finance, etc.....	252	454	767	15,000	5,000	7,000
Services.....	7,345	8,153	9,969	3,000	0	0
Public Administration.....	763	1,119	1,705	0	209,000	259,000
Armed Forces.....	0	57	86	173,000	2,58	2.44
Population.....	159,548	147,505	138,835	173,000	209,000	259,000
Population Per Worker.....	2.88	2.71	2.68	2.70	2.58	2.44

xx/ Appalachian Portion.NA Not available.a/ Data not of sufficient size to warrant projection.

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TABLE LXX

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 26

	1980	2000	2020
Employment.....	66,000	93,000	128,000
Agriculture.....	1,000	a/	a/
Mining.....	a/	a/	a/
Construction.....	4,000	4,000	6,000
Manufacturing.....	29,000	42,000	55,000
Food.....	1,000	2,000	3,000
Textiles.....	18,000	21,000	25,000
Paper.....	a/	a/	a/
Chemicals.....	a/	a/	a/
Petroleum.....	1,000	1,000	1,000
Primary Metals.....	2,000	3,000	4,000
Transportation, etc.....	10,000	15,000	23,000
Trade.....	2,000	3,000	4,000
Finance, etc.....	15,000	21,000	28,000
Services.....	3,000	5,000	8,000
Public Administration.....	0	0	0
Armed Forces.....			
Population.....	173,000	239,000	332,000
Population Per Worker.....	2.61	2.57	2.58

a/ Data not of sufficient size to warrant projection.

TABLE LXXI

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
ECONOMIC SUB-REGION 27 x/

	1940	1950	1960	1980	2000	2020
Employment.....	140,628	140,088	134,040	167,000	216,000	285,000
Agriculture.....	88,781	72,649	32,344	16,000	15,000	14,000
Mining.....	198	175	320	1,000	1,000	1,000
Construction.....	3,756	5,497	7,887	11,000	14,000	18,000
Manufacturing.....	11,882	16,744	33,591	57,000	75,000	99,000
Food.....	985	1,665	3,301	4,000	5,000	6,000
Textiles.....	501	679	576	1,000	1,000	1,000
Paper.....	NA	61	51	a/	a/	a/
Chemicals.....	212	376	472	1,000	1,000	1,000
Petroleum.....	NA	5	51	a/	a/	a/
Primary Metals.....	NA	80	123	a/	a/	a/
Transportation, etc.....	3,869	4,988	5,874	6,000	6,000	7,000
Trade.....	10,388	16,036	19,008	23,000	28,000	37,000
Finance, etc.....	785	1,146	1,930	3,000	4,000	5,000
Services.....	18,894	20,077	26,763	41,000	58,000	82,000
Public Administration.....	2,075	2,634	3,836	6,000	12,000	19,000
Armed Forces.....	0	142	2,487	3,000	3,000	3,000
Population.....	457,522	426,076	406,187	491,000	617,000	793,000
Population Per Worker.....	3.25	3.04	3.03	2.94	2.85	2.79

x/ Entirely within Appalachian Region.

NA Not available.

a/ Data not of sufficient size to warrant projection.

TABLE LXXII

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
ECONOMIC SUB-REGION 27

	1980	2000	2020
Employment.....	203,000	300,000	400,000
Agriculture.....	16,000	15,000	14,000
Mining.....	1,000	1,000	2,000
Construction.....	16,000	21,000	26,000
Manufacturing.....	70,000	100,000	145,000
Food.....	5,000	9,000	12,000
Textiles.....	1,000	3,000	5,000
Paper.....	1,000	4,000	6,000
Chemicals.....	1,000	8,000	13,000
Petroleum.....	a/	a/	a/
Primary Metals.....	3,000	8,000	11,000
Transportation, etc.....	8,000	10,000	12,000
Trade.....	28,000	40,000	50,000
Finance, etc.....	4,000	11,000	14,000
Services.....	49,000	83,000	110,000
Public Administration.....	8,000	16,000	25,000
Armed Forces.....	3,000	3,000	3,000
Population.....	597,000	852,000	1,112,000
Population Per Worker.....	2.94	2.84	2.78

a/ Data not of sufficient size to warrant projection.

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FIGURE 1
ECONOMIC SUB-REGIONS
OF THE APPALACHIAN REGION

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CHAPTER 5

POPULATION AND EMPLOYMENT WATER SUB-REGIONS AND WATER AREAS OF THE APPALACHIAN REGION

This chapter contains much of the same data as Chapter 4, the difference being a disaggregation on different boundaries. Water Sub-regions B, D, E, F, G, I and J are further subdivided into Water Areas.

Organization of this chapter is presentation of the historical (1960) and projected population and employment and developmental benchmarks. A map at the end of this chapter shows the boundaries of the Water Sub-regions and Water Areas of the Appalachian Region.

TABLE LXXIII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER SUB-REGION A

	1960	1980	2000	2020
Employment.....	313,602	362,000	446,000	564,000
Agriculture.....	7,381	4,000	4,000	4,000
Mining.....	15,188	5,000	5,000	3,000
Construction.....	15,196	18,000	23,000	27,000
Manufacturing.....	119,877	142,000	162,000	197,000
Food.....	8,721	8,000	6,000	5,000
Textiles.....	10,017	5,000	4,000	3,000
Paper.....	765	1,000	1,000	1,000
Chemicals.....	2,551	3,000	5,000	7,000
Petroleum.....	158	a/	a/	a/
Primary Metals.....	6,546	8,000	10,000	11,000
Transportation, etc.....	23,792	18,000	13,000	10,000
Trade.....	55,435	68,000	96,000	121,000
Finance, etc.....	8,483	12,000	14,000	14,000
Services.....	54,113	70,000	92,000	135,000
Public Administration.....	13,315	24,000	36,000	52,000
Armed Forces.....	822	1,000	1,000	1,000
Population.....	884,381	1,004,000	1,216,000	1,524,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER SUB-REGION A

	1980	2000	2020
Employment.....	372,000	522,000	775,000
Agriculture.....	4,000	4,000	4,000
Mining.....	5,000	5,000	3,000
Construction.....	18,000	27,000	38,000
Manufacturing.....	146,000	188,000	271,000
Food.....	8,000	7,000	7,000
Textiles.....	5,000	4,000	3,000
Paper.....	1,000	2,000	2,000
Chemicals.....	3,000	6,000	10,000
Petroleum.....	a/	a/	a/
Primary Metals.....	8,000	11,000	13,000
Transportation, etc.....	18,000	17,000	16,000
Trade.....	69,000	112,000	167,000
Finance, etc.....	12,000	16,000	19,000
Services.....	75,000	110,000	184,000
Public Administration.....	24,000	42,000	72,000
Armed Forces.....	1,000	1,000	1,000
Population.....	1,006,000	1,420,000	1,999,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXV
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA B-1

	1960	1980	2000	2020
Employment.....	324,350	419,000	533,000	667,000
Agriculture.....	28,872	19,000	17,000	16,000
Mining.....	1,071	4,000	4,000	3,000
Construction.....	16,911	19,000	19,000	21,000
Manufacturing.....	119,654	156,000	195,000	250,000
Food.....	7,383	6,000	6,000	6,000
Textiles.....	1,923	a/	a/	a/
Paper.....	1,158	1,000	1,000	1,000
Chemicals.....	2,269	3,000	5,000	7,000
Petroleum.....	104	a/	a/	a/
Primary Metals.....	3,007	2,000	2,000	2,000
Transportation, etc.....	17,803	18,000	18,000	16,000
Trade.....	49,250	72,000	100,000	128,000
Finance, etc.....	7,960	15,000	22,000	27,000
Services.....	72,206	100,000	133,000	170,000
Public Administration.....	10,261	16,000	25,000	36,000
Armed Forces.....	362	a/	a/	a/
Population.....	878,256	1,122,000	1,445,000	1,772,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA B-1

	1980	2000	2020
Employment.....	440,000	717,000	1,100,000
Agriculture.....	19,000	17,000	16,000
Mining.....	4,000	4,000	4,000
Construction.....	23,000	30,000	36,000
Manufacturing.....	157,000	266,000	400,000
Food.....	10,000	9,000	9,000
Textiles.....	a/	a/	a/
Paper.....	1,000	1,000	1,000
Chemicals.....	7,000	7,000	12,000
Petroleum.....	a/	a/	a/
Primary Metals.....	2,000	3,000	4,000
Transportation, etc.....	20,000	23,000	25,000
Trade.....	84,000	140,000	220,000
Finance, etc.....	15,000	37,000	45,000
Services.....	101,000	162,000	290,000
Public Administration.....	17,000	38,000	64,000
Armed Forces.....	a/	a/	a/
Population.....	1,172,000	1,867,000	2,870,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA B-2

	1960	1980	2000	2020
Employment.....	353,115	451,000	571,000	761,000
Agriculture.....	20,189	12,000	11,000	12,000
Mining.....	12,413	6,000	5,000	3,000
Construction.....	18,604	23,000	28,000	37,000
Manufacturing.....	119,214	157,000	179,000	231,000
Food.....	9,696	11,000	12,000	13,000
Textiles.....	9,318	6,000	3,000	2,000
Paper.....	5,110	8,000	11,000	14,000
Chemicals.....	5,082	8,000	12,000	17,000
Petroleum.....	176	a/	a/	a/
Primary Metals.....	21,435	23,000	23,000	22,000
Transportation, etc.....	32,837	29,000	25,000	24,000
Trade.....	60,991	83,000	111,000	156,000
Finance, etc.....	8,155	14,000	21,000	28,000
Services.....	67,293	104,000	157,000	222,000
Public Administration.....	12,912	23,000	34,000	48,000
Armed Forces.....	507	a/	a/	a/
Population.....	1,048,803	1,304,000	1,590,000	2,119,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA B-2

	1980	2000	2020
Employment.....	461,000	648,000	884,000
Agriculture.....	12,000	11,000	12,000
Mining.....	6,000	5,000	3,000
Construction.....	23,000	30,000	40,000
Manufacturing.....	160,000	216,000	286,000
Food.....	11,000	13,000	13,000
Textiles.....	6,000	3,000	3,000
Paper.....	8,000	11,000	15,000
Chemicals.....	8,000	12,000	17,000
Petroleum.....	a/	a/	a/
Primary Metals.....	24,000	24,000	23,000
Transportation, etc.....	30,000	27,000	28,000
Trade.....	85,000	130,000	170,000
Finance, etc.....	14,000	23,000	30,000
Services.....	107,000	170,000	260,000
Public Administration.....	24,000	36,000	55,000
Armed Forces.....	a/	a/	a/
Population.....	1,312,000	1,649,000	2,253,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXIX
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA B-3

	1960	1980	2000	2020
Employment.....	105,011	134,000	158,000	184,000
Agriculture.....	9,910	6,000	5,000	5,000
Mining.....	1,593	1,000	1,000	1,000
Construction.....	6,895	10,000	11,000	12,000
Manufacturing.....	30,442	40,000	48,000	52,000
Food.....	2,653	3,000	4,000	4,000
Textiles.....	2,219	1,000	1,000	1,000
Paper.....	1,854	2,000	3,000	4,000
Chemicals.....	4,045	5,000	5,000	5,000
Petroleum.....	42	a/	a/	a/
Primary Metals.....	222	a/	a/	a/
Transportation, etc.....	11,799	11,000	9,000	8,000
Trade.....	18,084	25,000	33,000	41,000
Finance, etc.....	2,252	4,000	6,000	8,000
Services.....	19,847	30,000	35,000	44,000
Public Administration.....	3,519	6,000	9,000	12,000
Armed Forces.....	670	1,000	1,000	1,000
Population.....	316,404	376,000	436,000	503,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXX
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA B-3

	1980	2000	2020
Employment.....	139,000	168,000	233,000
Agriculture.....	6,000	5,000	5,000
Mining.....	1,000	1,000	1,000
Construction.....	10,000	12,000	16,000
Manufacturing.....	44,000	51,000	65,000
Food.....	3,000	4,000	5,000
Textiles.....	1,000	1,000	1,000
Paper.....	2,000	3,000	4,000
Chemicals.....	5,000	5,000	6,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	11,000	10,000	10,000
Trade.....	26,000	35,000	52,000
Finance, etc.....	4,000	6,000	10,000
Services.....	30,000	38,000	58,000
Public Administration.....	6,000	9,000	15,000
Armed Forces.....	1,000	1,000	1,000
Population.....	376,000	466,000	647,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER SUB-REGION C

	1960	1980	2000	2020
Employment.....	19,739	25,000	28,000	37,000
Agriculture.....	1,939	1,000	1,000	1,000
Mining.....	202	a/	a/	a/
Construction.....	900	2,000	2,000	1,000
Manufacturing.....	7,120	9,000	9,000	12,000
Food.....	364	1,000	1,000	1,000
Textiles.....	883	1,000	1,000	1,000
Paper.....	2,193	2,000	2,000	2,000
Chemicals.....	576	a/	a/	a/
Petroleum.....	0	0	0	0
Primary Metals.....	20	1,000	1,000	1,000
Transportation, etc.....	2,607	2,000	2,000	3,000
Trade.....	2,256	3,000	4,000	7,000
Finance, etc.....	325	1,000	1,000	1,000
Services.....	3,631	6,000	7,000	9,000
Public Administration.....	660	1,000	2,000	3,000
Armed Forces.....	99	a/	a/	a/
Population.....	57,085	66,000	73,000	95,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER SUB-REGION C

	1980	2000	2020
Employment.....	29,000	35,000	42,000
Agriculture.....	1,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	2,000	3,000	2,000
Manufacturing.....	10,000	12,000	13,000
Food.....	1,000	1,000	1,000
Textiles.....	1,000	1,000	1,000
Paper.....	2,000	2,000	2,000
Chemicals.....	a/	a/	a/
Petroleum.....	0	0	0
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	3,000	3,000	4,000
Trade.....	4,000	5,000	8,000
Finance, etc.....	1,000	1,000	1,000
Services.....	7,000	8,000	10,000
Public Administration.....	1,000	2,000	3,000
Armed Forces.....	a/	a/	a/
Population.....	66,000	90,000	110,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXIII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA D-1

	1960	1980	2000	2020
Employment.....	217,132	334,000	476,000	654,000
Agriculture.....	20,833	11,000	8,000	7,000
Mining.....	694	1,000	1,000	1,000
Construction.....	13,005	21,000	30,000	45,000
Manufacturing.....	92,684	148,000	198,000	259,000
Food.....	3,642	5,000	8,000	9,000
Textiles.....	38,763	50,000	61,000	76,000
Paper.....	504	1,000	2,000	4,000
Chemicals.....	346	1,000	1,000	1,000
Petroleum.....	4	a/	a/	a/
Primary Metals.....	284	1,000	1,000	1,000
Transportation, etc.....	10,186	17,000	22,000	25,000
Trade.....	31,627	52,000	80,000	111,000
Finance, etc.....	4,930	11,000	20,000	32,000
Services.....	37,772	64,000	103,000	154,000
Public Administration.....	5,133	9,000	14,000	20,000
Armed Forces.....	268	a/	a/	a/
Population.....	573,356	792,000	1,155,000	1,622,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA D-1

	1980	2000	2020
Employment.....	348,000	519,000	816,000
Agriculture.....	11,000	8,000	7,000
Mining.....	1,000	1,000	1,000
Construction.....	21,000	33,000	56,000
Manufacturing.....	158,000	217,000	323,000
Food.....	5,000	8,000	9,000
Textiles.....	50,000	62,000	80,000
Paper.....	1,000	2,000	4,000
Chemicals.....	1,000	1,000	2,000
Petroleum.....	a/	a/	a/
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	18,000	24,000	31,000
Trade.....	55,000	87,000	137,000
Finance, etc.....	11,000	27,000	40,000
Services.....	64,000	107,000	195,000
Public Administration.....	9,000	15,000	26,000
Armed Forces.....	a/	a/	a/
Population.....	796,000	1,334,000	2,106,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA D-2

	1960	1980	2000	2020
Employment.....	250,346	365,000	514,000	726,000
Agriculture.....	13,039	4,000	1,000	1,000
Mining.....	423	a/	a/	a/
Construction.....	15,828	24,000	36,000	53,000
Manufacturing.....	106,982	157,000	204,000	280,000
Food.....	4,273	6,000	9,000	12,000
Textiles.....	65,567	75,000	81,000	96,000
Paper.....	52	a/	a/	a/
Chemicals.....	1,027	1,000	1,000	1,000
Petroleum.....	62	a/	a/	a/
Primary Metals.....	457	a/	a/	a/
Transportation, etc.....	9,550	12,000	16,000	18,000
Trade.....	38,055	61,000	94,000	137,000
Finance, etc.....	6,758	15,000	29,000	50,000
Services.....	50,601	78,000	116,000	164,000
Public Administration.....	5,236	8,000	12,000	17,000
Armed Forces.....	3,874	6,000	6,000	6,000
Population.....	630,726	927,000	1,306,000	1,870,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA D-2

	1980	2000	2020
Employment.....	365,000	581,000	901,000
Agriculture.....	4,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	24,000	39,000	66,000
Manufacturing.....	157,000	227,000	347,000
Food.....	6,000	10,000	13,000
Textiles.....	75,000	85,000	101,000
Paper.....	a/	a/	a/
Chemicals.....	1,000	2,000	2,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	12,000	18,000	23,000
Trade.....	61,000	104,000	170,000
Finance, etc.....	15,000	32,000	62,000
Services.....	78,000	141,000	205,000
Public Administration.....	8,000	13,000	21,000
Armed Forces.....	6,000	6,000	6,000
Population.....	930,000	1,494,000	-2,325,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA E-1

	1960	1980	2000	2020
Employment.....	86,339	115,000	176,000	279,000
Agriculture.....	11,519	3,000	1,000	1,000
Mining.....	1,110	1,000	1,000	1,000
Construction.....	5,798	9,000	13,000	22,000
Manufacturing.....	29,317	48,000	75,000	119,000
Food.....	4,526	9,000	16,000	21,000
Textiles.....	9,370	10,000	11,000	12,000
Paper.....	386	2,000	3,000	5,000
Chemicals.....	532	1,000	2,000	3,000
Petroleum.....	89	a/	a/	a/
Primary Metals.....	342	a/	a/	a/
Transportation, etc.....	4,142	5,000	7,000	8,000
Trade.....	16,853	22,000	38,000	62,000
Finance, etc.....	1,362	4,000	7,000	12,000
Services.....	14,102	19,000	29,000	47,000
Public Administration.....	2,291	4,000	5,000	7,000
Armed Forces.....	145	a/	a/	a/
Population.....	252,444	328,000	491,000	754,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA E-1

	1980	2000	2020
Employment.....	130,000	207,000	296,000
Agriculture.....	3,000	1,000	1,000
Mining.....	1,000	1,000	1,000
Construction.....	11,000	16,000	23,000
Manufacturing.....	54,000	89,000	127,000
Food.....	9,000	17,000	21,000
Textiles.....	11,000	11,000	13,000
Paper.....	2,000	4,000	5,000
Chemicals.....	1,000	2,000	3,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	6,000	8,000	9,000
Trade.....	25,000	44,000	66,000
Finance, etc.....	4,000	8,000	13,000
Services.....	22,000	34,000	49,000
Public Administration.....	4,000	6,000	7,000
Armed Forces.....	a/	a/	a/
Population.....	380,000	537,000	763,000

a/ Data not of sufficient size to warrant projection.

TABLE LXXXIX
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA E-2

	1960	1980	2000	2020
Employment.....	111,465	145,000	199,000	276,000
Agriculture.....	7,831	2,000	1,000	1,000
Mining.....	472	a/	a/	a/
Construction.....	6,810	10,000	13,000	19,000
Manufacturing.....	49,328	64,000	87,000	116,000
Food.....	2,396	3,000	5,000	6,000
Textiles.....	22,818	26,000	30,000	36,000
Paper.....	1,223	4,000	8,000	12,000
Chemicals.....	1,903	3,000	5,000	8,000
Petroleum.....	214	a/	a/	a/
Primary Metals.....	647	1,000	1,000	1,000
Transportation, etc.....	5,206	6,000	7,000	8,000
Trade.....	16,301	24,000	34,000	47,000
Finance, etc.....	2,526	5,000	9,000	13,000
Services.....	20,170	29,000	41,000	63,000
Public Administration.....	2,678	4,000	6,000	8,000
Armed Forces.....	143	1,000	1,000	1,000
Population.....	303,319	388,000	532,000	745,000

a/ Data not of sufficient size to warrant projection.

TABLE XC
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA E-2

	1980	2000	2020
Employment.....	155,000	215,000	300,000
Agriculture.....	2,000	1,000	1,000
Mining.....	a/	a/	a/
Construction.....	10,000	15,000	21,000
Manufacturing.....	70,000	94,000	120,000
Food.....	4,000	7,000	8,000
Textiles.....	26,000	30,000	37,000
Paper.....	4,000	8,000	13,000
Chemicals.....	3,000	6,000	8,000
Petroleum.....	a/	a/	a/
Primary Metals.....	1,000	1,000	2,000
Transportation, etc.....	6,000	8,000	12,000
Trade.....	25,000	37,000	50,000
Finance, etc.....	5,000	9,000	15,000
Services.....	32,000	43,000	70,000
Public Administration.....	4,000	7,000	10,000
Armed Forces.....	1,000	1,000	1,000
Population.....	420,000	592,000	773,000

a/ Data not of sufficient size to warrant projection.

TABLE XCI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA E-3

	1960	1980	2000	2020
Employment.....	140,677	199,000	278,000	388,000
Agriculture.....	13,041	4,000	2,000	1,000
Mining.....	242	a/	a/	a/
Construction.....	8,835	13,000	17,000	27,000
Manufacturing.....	52,395	72,000	94,000	117,000
Food.....	2,522	4,000	6,000	7,000
Textiles.....	21,803	25,000	27,000	31,000
Paper.....	1,776	4,000	6,000	9,000
Chemicals.....	546	1,000	1,000	2,000
Petroleum.....	168	a/	a/	a/
Primary Metals.....	8,832	9,000	8,000	7,000
Transportation, etc.....	6,061	8,000	10,000	12,000
Trade.....	18,334	33,000	50,000	71,000
Finance, etc.....	2,849	7,000	11,000	17,000
Services.....	27,537	42,000	62,000	93,000
Public Administration.....	7,487	16,000	28,000	46,000
Armed Forces.....	3,896	4,000	4,000	4,000
Population.....	407,451	563,000	767,000	1,040,000

a/ Data not of sufficient size to warrant projection.

TABLE XCII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA E-3

	1980	2000	2020
Employment.....	207,000	299,000	419,000
Agriculture.....	4,000	2,000	1,000
Mining.....	a/	a/	a/
Construction.....	13,000	17,000	30,000
Manufacturing.....	78,000	100,000	120,000
Food.....	4,000	6,000	7,000
Textiles.....	25,000	28,000	32,000
Paper.....	4,000	6,000	9,000
Chemicals.....	1,000	1,000	2,000
Petroleum.....	a/	a/	a/
Primary Metals.....	9,000	8,000	7,000
Transportation, etc.....	9,000	12,000	14,000
Trade.....	34,000	51,000	75,000
Finance, etc.....	6,000	12,000	18,000
Services.....	43,000	71,000	111,000
Public Administration.....	16,000	30,000	46,000
Armed Forces.....	4,000	4,000	4,000
Population.....	563,000	775,000	1,081,000

a/ Data not of sufficient size to warrant projection.

TABLE XCIII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA E-4

	1960	1980	2000	2020
Employment.....	369,517	510,000	679,000	947,000
Agriculture.....	19,804	5,000	3,000	2,000
Mining.....	10,545	6,000	4,000	4,000
Construction.....	24,019	32,000	40,000	70,000
Manufacturing.....	104,616	143,000	199,000	255,000
Food.....	9,112	12,000	16,000	19,000
Textiles.....	8,279	6,000	5,000	5,000
Paper.....	3,147	7,000	12,000	18,000
Chemicals.....	3,257	6,000	11,000	17,000
Petroleum.....	517	a/	a/	a/
Primary Metals.....	32,019	33,000	28,000	27,000
Transportation, etc.....	25,778	29,000	28,000	28,000
Trade.....	69,404	100,000	142,000	195,000
Finance, etc.....	14,428	29,000	46,000	70,000
Services.....	87,620	143,000	182,000	272,000
Public Administration.....	12,801	22,000	34,000	50,000
Armed Forces.....	502	1,000	1,000	1,000
Population.....	1,121,204	1,481,000	1,925,000	2,592,000

a/ Data not of sufficient size to warrant projection.

TABLE XCIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA E-4

	1980	2000	2020
Employment.....	527,000	825,000	1,100,000
Agriculture.....			2,000
Mining.....	5,000	3,000	3,000
Construction.....	6,000	4,000	80,000
Manufacturing.....	33,000	45,000	290,000
Food.....	153,000	240,000	20,000
Textiles.....	13,000	18,000	6,000
Paper.....	7,000	6,000	19,000
Chemicals.....	7,000	13,000	20,000
Petroleum.....	6,000	13,000	a/
Primary Metals.....	a/	a/	28,000
Transportation, etc.....	33,000	29,000	32,000
Trade.....	29,000	31,000	221,000
Finance, etc.....	103,000	170,000	77,000
Services.....	29,000	50,000	338,000
Public Administration.....	145,000	246,000	56,000
Armed Forces.....	23,000	35,000	1,000
Population.....	1,000	1,000	
	1,481,000	2,095,000	2,834,000

a/ Data not of sufficient size to warrant projection.

TABLE XCV

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA E-5

	1960	1980	2000	2020
Employment.....	134,040	167,000	216,000	285,000
Agriculture.....	32,344	16,000	15,000	14,000
Mining.....	320	1,000	1,000	1,000
Construction.....	7,887	11,000	14,000	18,000
Manufacturing.....	33,591	57,000	75,000	99,000
Food.....	3,301	4,000	5,000	6,000
Textiles.....	576	1,000	1,000	1,000
Paper.....	51	a/	a/	a/
Chemicals.....	472	1,000	1,000	1,000
Petroleum.....	51	a/	a/	a/
Primary Metals.....	123	a/	a/	a/
Transportation, etc.....	5,874	6,000	6,000	7,000
Trade.....	19,008	23,000	28,000	37,000
Finance, etc.....	1,930	3,000	4,000	5,000
Services.....	26,763	41,000	58,000	82,000
Public Administration.....	3,836	6,000	12,000	19,000
Armed Forces.....	2,487	3,000	3,000	3,000
Population.....	406,187	491,000	617,000	793,000

a/ Data not of sufficient size to warrant projection.

TABLE XCVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA E-5

	1980	2000	2020
Employment.....	203,000	300,000	400,000
Agriculture.....	16,000	15,000	14,000
Mining.....	1,000	1,000	1,000
Construction.....	16,000	21,000	26,000
Manufacturing.....	70,000	100,000	145,000
Food.....	5,000	9,000	12,000
Textiles.....	1,000	3,000	4,000
Paper.....	a/	a/	a/
Chemicals.....	1,000	5,000	7,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	8,000	10,000	12,000
Trade.....	28,000	40,000	50,000
Finance, etc.....	4,000	11,000	14,000
Services.....	49,000	83,000	110,000
Public Administration.....	8,000	16,000	25,000
Armed Forces.....	3,000	3,000	3,000
Population.....	597,000	852,000	1,112,000

a/ Data not of sufficient size to warrant projection.

TABLE XCVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA F-1

	1960	1980	2000	2020
Employment.....	426,094	522,000	635,000	763,000
Agriculture.....	21,825	11,000	9,000	9,000
Mining.....	8,308	6,000	5,000	4,000
Construction.....	19,911	28,000	35,000	42,000
Manufacturing.....	168,782	191,000	216,000	242,000
Food.....	9,108	9,000	9,000	9,000
Textiles.....	1,650	1,000	1,000	1,000
Paper.....	4,157	4,000	4,000	4,000
Chemicals.....	3,268	4,000	5,000	5,000
Petroleum.....	2,571	2,000	1,000	1,000
Primary Metals.....	22,980	26,000	27,000	27,000
Transportation, etc.....	30,236	25,000	23,000	20,000
Trade.....	72,530	96,000	121,000	151,000
Finance, etc.....	11,287	20,000	28,000	35,000
Services.....	81,478	124,000	167,000	215,000
Public Administration.....	11,285	20,000	30,000	44,000
Armed Forces.....	452	1,000	1,000	1,000
Population.....	1,235,674	1,491,000	1,813,000	2,174,000

TABLE XCVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA F-1

	1980	2000	2020
Employment.....	550,000	846,000	1,151,000
Agriculture.....	11,000	9,000	9,000
Mining.....	6,000	5,000	4,000
Construction.....	30,000	47,000	64,000
Manufacturing.....	200,000	288,000	365,000
Food.....	11,000	12,000	14,000
Textiles.....	1,000	1,000	1,000
Paper.....	5,000	6,000	6,000
Chemicals.....	4,000	6,000	8,000
Petroleum.....	2,000	1,000	1,000
Primary Metals.....	35,000	36,000	40,000
Transportation, etc.....	30,000	30,000	30,000
Trade.....	100,000	162,000	228,000
Finance, etc.....	22,000	37,000	53,000
Services.....	130,000	228,000	331,000
Public Administration.....	20,000	39,000	66,000
Armed Forces.....	1,000	1,000	1,000
Population.....	1,491,000	2,243,000	2,970,000

a/ Data not of sufficient size to warrant projection.

TABLE XCIX
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA F-2

	1960	1980	2000	2020
Employment.....	975,910	1,184,000	1,397,000	1,634,000
Agriculture.....	15,459	8,000	6,000	6,000
Mining.....	26,379	14,000	10,000	7,000
Construction.....	51,900	65,000	79,000	93,000
Manufacturing.....	360,007	403,000	434,000	469,000
Food.....	25,657	24,000	24,000	24,000
Textiles.....	619	a/	a/	a/
Paper.....	3,496	4,000	4,000	4,000
Chemicals.....	10,944	16,000	25,000	39,000
Petroleum.....	2,550	2,000	1,000	1,000
Primary Metals.....	152,327	147,000	128,000	107,000
Transportation, etc.....	77,171	72,000	67,000	61,000
Trade.....	179,757	232,000	283,000	329,000
Finance, etc.....	36,645	61,000	80,000	98,000
Services.....	191,843	273,000	359,000	467,000
Public Administration.....	34,832	54,000	77,000	102,000
Armed Forces.....	1,917	2,000	2,000	2,000
Population.....	2,883,728	3,439,000	4,014,000	4,602,000

a/ Data not of sufficient size to warrant projection.

TABLE C

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA F-2

	1980	2000	2020
Employment.....	1,184,000	1,530,000	1,967,000
Agriculture.....	8,000	6,000	6,000
Mining.....	14,000	10,000	7,000
Construction.....	65,000	88,000	111,000
Manufacturing.....	403,000	485,000	626,000
Food.....	24,000	27,000	32,000
Textiles.....	a/	a/	a/
Paper.....	4,000	4,000	6,000
Chemicals.....	16,000	28,000	52,000
Petroleum.....	2,000	1,000	1,000
Primary Metals.....	147,000	143,000	137,000
Transportation, etc.....	72,000	74,000	82,000
Trade.....	232,000	320,000	370,000
Finance, etc.....	61,000	89,000	131,000
Services.....	273,000	370,000	500,000
Public Administration.....	54,000	86,000	132,000
Armed Forces.....	2,000	2,000	2,000
Population.....	3,439,000	4,450,000	5,383,000

a/ Data not of sufficient size to warrant projection.

TABLE CI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA F-3

	1960	1980	2000	2020
Employment.....	210,060	245,000	282,000	326,000
Agriculture.....	7,145	3,000	2,000	2,000
Mining.....	16,923	14,000	12,000	12,000
Construction.....	10,827	14,000	16,000	19,000
Manufacturing.....	66,383	79,000	87,000	97,000
Food.....	3,595	4,000	4,000	4,000
Textiles.....	24	a/	a/	a/
Paper.....	1,402	1,000	1,000	1,000
Chemicals.....	2,292	5,000	9,000	15,000
Petroleum.....	98	a/	a/	a/
Primary Metals.....	28,963	29,000	26,000	23,000
Transportation, etc.....	17,597	16,000	15,000	15,000
Trade.....	38,950	48,000	57,000	66,000
Finance, etc.....	5,256	8,000	11,000	13,000
Services.....	40,759	53,000	66,000	83,000
Public Administration.....	6,032	10,000	16,000	19,000
Armed Forces.....	188	a/	a/	a/
Population.....	651,610	726,000	818,000	922,000

a/ Data not of sufficient size to warrant projection.

TABLE CII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA F-3

	1980	2000	2020
Employment.....	245,000	310,000	350,000
Agriculture.....	3,000	2,000	2,000
Mining.....	14,000	12,000	12,000
Construction.....	14,000	17,000	20,000
Manufacturing.....	79,000	97,000	110,000
Food.....	4,000	4,000	4,000
Textiles.....	a/	a/	a/
Paper.....	1,000	1,000	1,000
Chemicals.....	5,000	9,000	15,000
Petroleum.....	a/	a/	a/
Primary Metals.....	29,000	26,000	23,000
Transportation, etc.....	16,000	16,000	16,000
Trade.....	48,000	60,000	70,000
Finance, etc.....	8,000	13,000	14,000
Services.....	53,000	76,000	86,000
Public Administration.....	10,000	17,000	20,000
Armed Forces.....	a/	a/	a/
Population.....	726,000	850,000	975,000

a/ Data not of sufficient size to warrant projection.

TABLE CIII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA G-1

	1960	1980	2000	2020
Employment.....	160,138	209,000	281,000	368,000
Agriculture.....	15,374	8,000	6,000	5,000
Mining.....	6,152	4,000	4,000	3,000
Construction.....	10,105	15,000	20,000	27,000
Manufacturing.....	51,547	72,000	92,000	115,000
Food.....	2,937	3,000	3,000	3,000
Textiles.....	170	a/	a/	a/
Paper.....	1,110	1,000	2,000	2,000
Chemicals.....	1,503	3,000	5,000	9,000
Petroleum.....	194	a/	a/	a/
Primary Metals.....	6,721	9,000	11,000	13,000
Transportation, etc.....	10,904	11,000	11,000	11,000
Trade.....	27,871	40,000	53,000	74,000
Finance, etc.....	3,387	6,000	7,000	9,000
Services.....	29,828	45,000	76,000	106,000
Public Administration.....	4,921	8,000	12,000	18,000
Armed Forces.....	99	a/	a/	a/
Population.....	495,069	623,000	793,000	1,009,000

a/ Data not of sufficient size to warrant projection.

TABLE CIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA G-1

	1980	2000	2020
Employment.....	218,000	343,000	437,000
Agriculture.....	8,000	6,000	5,000
Mining.....	4,000	4,000	3,000
Construction.....	16,000	23,000	33,000
Manufacturing.....	75,000	117,000	141,000
Food.....	3,000	4,000	4,000
Textiles.....	a/	a/	a/
Paper.....	1,000	2,000	3,000
Chemicals.....	3,000	7,000	10,000
Petroleum.....	a/	a/	a/
Primary Metals.....	9,000	13,000	15,000
Transportation, etc.....	12,000	12,000	13,000
Trade.....	41,000	60,000	90,000
Finance, etc.....	6,000	8,000	11,000
Services.....	48,000	98,000	119,000
Public Administration.....	8,000	15,000	22,000
Armed Forces.....	a/	a/	a/
Population.....	623,000	923,000	1,159,000

a/ Data not of sufficient size to warrant projection.

TABLE CV
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA G-2

	1960	1980	2000	2020
Employment.....	232,773	274,000	359,000	463,000
Agriculture.....	21,236	9,000	6,000	5,000
Mining.....	3,099	2,000	2,000	1,000
Construction.....	16,285	18,000	25,000	35,000
Manufacturing.....	72,365	85,000	109,000	141,000
Food.....	5,851	6,000	7,000	7,000
Textiles.....	614	a/	a/	a/
Paper.....	4,405	8,000	14,000	20,000
Chemicals.....	6,555	11,000	17,000	25,000
Petroleum.....	2,133	2,000	2,000	1,000
Primary Metals.....	14,799	24,000	32,000	36,000
Transportation, etc.....	21,820	18,000	17,000	16,000
Trade.....	42,031	57,000	80,000	107,000
Finance, etc.....	5,757	11,000	16,000	20,000
Services.....	41,846	63,000	90,000	119,000
Public Administration.....	7,902	11,000	14,000	19,000
Armed Forces.....	254	a/	a/	a/
Population.....	778,853	1,000,000	1,256,000	1,598,000

a/ Data not of sufficient size to warrant projection.

TABLE CVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA G-2

	1980	2000	2020
Employment.....	288,000	502,000	733,000
Agriculture.....	9,000	6,000	5,000
Mining.....	2,000	2,000	1,000
Construction.....	19,000	35,000	55,000
Manufacturing.....	95,000	169,000	230,000
Food.....	6,000	7,000	15,000
Textiles.....	a/	a/	a/
Paper.....	8,000	14,000	35,000
Chemicals.....	11,000	21,000	35,000
Petroleum.....	2,000	2,000	2,000
Primary Metals.....	24,000	41,000	61,000
Transportation, etc.....	18,000	21,000	25,000
Trade.....	57,000	107,000	160,000
Finance, etc.....	11,000	20,000	32,000
Services.....	66,000	124,000	195,000
Public Administration.....	11,000	18,000	30,000
Armed Forces.....	a/	a/	a/
Population.....	1,000,000	1,278,000	1,893,000

a/ Data not of sufficient size to warrant projection.

TABLE CVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA G-3

	1960	1980	2000	2020
Employment.....	143,719	190,000	253,000	320,000
Agriculture.....	4,478	2,000	1,000	1,000
Mining.....	7,948	4,000	3,000	2,000
Construction.....	8,989	11,000	15,000	20,000
Manufacturing.....	43,068	58,000	76,000	97,000
Food.....	2,332	3,000	3,000	3,000
Textiles.....	374	a/	a/	a/
Paper.....	514	1,000	1,000	2,000
Chemicals.....	21,650	24,000	29,000	13,000
Petroleum.....	372	a/	a/	a/
Primary Metals.....	3,630	7,000	11,000	15,000
Transportation, etc.....	12,144	12,000	11,000	9,000
Trade.....	27,531	44,000	60,000	75,000
Finance, etc.....	4,057	8,000	11,000	15,000
Services.....	26,693	39,000	58,000	73,000
Public Administration.....	6,591	12,000	18,000	28,000
Armed Forces.....	385	a/	a/	a/
Population.....	458,208	594,000	761,000	937,000

a/ Data not of sufficient size to warrant projection.

TABLE CVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA G-3

	1980	2000	2020
Employment.....	200,000	320,000	448,000
Agriculture.....	2,000	1,000	1,000
Mining.....	4,000	3,000	2,000
Construction.....	11,000	16,000	29,000
Manufacturing.....	62,000	110,000	135,000
Food.....	3,000	3,000	4,000
Textiles.....	a/	a/	a/
Paper.....	1,000	1,000	3,000
Chemicals.....	24,000	29,000	13,000
Petroleum.....	a/	a/	a/
Primary Metals.....	7,000	14,000	21,000
Transportation, etc.....	12,000	12,000	13,000
Trade.....	44,000	65,000	106,000
Finance, etc.....	8,000	12,000	21,000
Services.....	45,000	81,000	101,000
Public Administration.....	12,000	20,000	40,000
Armed Forces.....	a/	a/	a/
Population.....	594,000	820,000	.1,203,000

a/ Data not of sufficient size to warrant projection.

TABLE CIX
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA G-4

	1960	1980	2000	2020
Employment.....	75,314	68,000	72,000	78,000
Agriculture.....	2,019	a/	a/	a/
Mining.....	30,062	18,000	14,000	10,000
Construction.....	3,052	4,000	4,000	6,000
Manufacturing.....	4,122	5,000	6,000	7,000
Food.....	847	1,000	1,000	1,000
Textiles.....	0	0	0	0
Paper.....	6	a/	a/	a/
Chemicals.....	73	a/	a/	a/
Petroleum.....	60	a/	a/	a/
Primary Metals.....	126	0	0	0
Transportation, etc.....	5,771	4,000	3,000	2,000
Trade.....	13,052	13,000	16,000	17,000
Finance, etc.....	1,091	2,000	3,000	4,000
Services.....	13,692	17,000	20,000	23,000
Public Administration.....	2,361	5,000	6,000	9,000
Armed Forces.....	92	a/	a/	a/
Population.....	370,652	322,000	329,000	342,000

a/ Data not of sufficient size to warrant projection.

TABLE CX
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA G-4

	1980	2000	2020
Employment.....	107,000	154,000	181,000
Agriculture.....	a/	a/	a/
Mining.....	18,000	14,000	10,000
Construction.....	10,000	11,000	12,000
Manufacturing.....	14,000	25,000	35,000
Food.....	3,000	3,000	8,000
Textiles.....	0	0	0
Paper.....	1,000	1,000	2,000
Chemicals.....	a/	a/	a/
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	8,000	9,000	10,000
Trade.....	21,000	36,000	42,000
Finance, etc.....	3,000	6,000	9,000
Services.....	25,000	40,000	49,000
Public Administration.....	8,000	13,000	14,000
Armed Forces.....	a/	a/	a/
Population.....	375,000	423,000	490,000

a/ Data not of sufficient size to warrant projection.

TABLE CXI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA G-5

	1960	1980	2000	2020
Employment.....	156,532	182,000	224,000	278,000
Agriculture.....	13,842	5,000	3,000	2,000
Mining.....	19,193	10,000	7,000	6,000
Construction.....	8,919	10,000	11,000	13,000
Manufacturing.....	37,596	49,000	64,000	81,000
Food.....	2,284	3,000	3,000	3,000
Textiles.....	6,660	8,000	12,000	16,000
Paper.....	75	a/	a/	a/
Chemicals.....	5,134	5,000	5,000	5,000
Petroleum.....	28	a/	a/	a/
Primary Metals.....	2,183	2,000	2,000	1,000
Transportation, etc.....	11,803	11,000	10,000	9,000
Trade.....	28,012	37,000	49,000	67,000
Finance, etc.....	2,797	5,000	9,000	12,000
Services.....	29,000	47,000	60,000	74,000
Public Administration.....	5,180	8,000	11,000	14,000
Armed Forces.....	190	a/	a/	a/
Population.....	573,445	606,000	700,000	839,000

a/ Data not of sufficient size to warrant projection.

TABLE CXII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA G-5

	1980	2000	2020
Employment.....	190,000	290,000	336,000
Agriculture.....	5,000	3,000	2,000
Mining.....	10,000	7,000	6,000
Construction.....	10,000	11,000	14,000
Manufacturing.....	54,000	75,000	98,000
Food.....	3,000	3,000	4,000
Textiles.....	8,000	12,000	19,000
Paper.....	a/	a/	a/
Chemicals.....	5,000	5,000	6,000
Petroleum.....	a/	a/	a/
Primary Metals.....	2,000	2,000	1,000
Transportation, etc.....	11,000	11,000	11,000
Trade.....	34,000	75,000	79,000
Finance, etc.....	5,000	9,000	15,000
Services.....	53,000	81,000	93,000
Public Administration.....	8,000	18,000	18,000
Armed Forces.....	a/	a/	a/
Population.....	606,000	750,000	- 946,000

a/ Data not of sufficient size to warrant projection.

TABLE CXIII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER SUB-REGION H

	1960	1980	2000	2020
Employment.....	68,378	79,000	107,000	146,000
Agriculture.....	15,348	7,000	4,000	4,000
Mining.....	8,044	7,000	7,000	8,000
Construction.....	4,446	6,000	8,000	11,000
Manufacturing.....	8,131	14,000	23,000	38,000
Food.....	914	1,000	1,000	2,000
Textiles.....	102	a/	a/	a/
Paper.....	0	0	0	0
Chemicals.....	88	a/	a/	a/
Petroleum.....	251	a/	a/	a/
Primary Metals.....	308	a/	a/	a/
Transportation, etc.....	3,491	3,000	3,000	3,000
Trade.....	10,296	16,000	24,000	33,000
Finance, etc.....	960	1,000	3,000	4,000
Services.....	14,555	20,000	28,000	36,000
Public Administration.....	3,063	5,000	7,000	9,000
Armed Forces.....	44	a/	a/	a/
Population.....	265,867	292,000	372,000	484,000

a/ Data not of sufficient size to warrant projection.

TABLE CXIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER SUB-REGION H

	1980	2000	2020
Employment.....	90,000	161,000	224,000
Agriculture.....	7,000	4,000	4,000
Mining.....	7,000	7,000	8,000
Construction.....	6,000	13,000	17,000
Manufacturing.....	24,000	35,000	58,000
Food.....	1,000	2,000	3,000
Textiles.....	a/	a/	a/
Paper.....	0	0	0
Chemicals.....	a/	a/	a/
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	3,000	3,000	4,000
Trade.....	16,000	36,000	50,000
Finance, etc.....	2,000	4,000	6,000
Services.....	20,000	48,000	65,000
Public Administration.....	5,000	11,000	12,000
Armed Forces.....	a/	a/	a/
Population.....	292,000	443,000	578,000

a/ Data not of sufficient size to warrant projection.

TABLE CXV
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA I-1

	1960	1980	2000	2020
Employment.....	84,516	88,000	113,000	154,000
Agriculture.....	22,337	9,000	6,000	4,000
Mining.....	9,131	5,000	4,000	3,000
Construction.....	4,769	6,000	7,000	9,000
Manufacturing.....	10,329	18,000	26,000	39,000
Food.....	1,469	2,000	2,000	3,000
Textiles.....	63	a/	a/	a/
Paper.....	0	0	0	0
Chemicals.....	253	1,000	1,000	1,000
Petroleum.....	381	a/	a/	a/
Primary Metals.....	107	a/	a/	a/
Transportation, etc.....	5,140	4,000	4,000	4,000
Trade.....	13,849	19,000	27,000	38,000
Finance, etc.....	1,149	2,000	4,000	6,000
Services.....	15,145	21,000	29,000	43,000
Public Administration.....	2,598	4,000	6,000	8,000
Armed Forces.....	69	a/	a/	a/
Population.....	347,613	359,000	390,000	408,000

a/ Data not of sufficient size to warrant projection.

TABLE CXVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA I-1

	1980	2000	2020
Employment.....	100,000	175,000	202,000
Agriculture.....	9,000	6,000	4,000
Mining.....	5,000	4,000	3,000
Construction.....	6,000	11,000	12,000
Manufacturing.....	28,000	41,000	60,000
Food.....	2,000	4,000	4,000
Textiles.....	a/	a/	a/
Paper.....	0	0	0
Chemicals.....	1,000	1,000	2,000
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	4,000	6,000	6,000
Trade.....	19,000	41,000	45,000
Finance, etc.....	2,000	7,000	10,000
Services.....	23,000	52,000	55,000
Public Administration.....	4,000	7,000	7,000
Armed Forces.....	a/	a/	a/
Population.....	363,000	422,000	521,000

a/ Data not of sufficient size to warrant projection.

TABLE CXVII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA 1-2

	1960	1980	2000	2020
Employment.....	51,119	63,000	90,000	136,000
Agriculture.....	12,525	6,000	5,000	4,000
Mining.....	954	1,000	1,000	1,000
Construction.....	3,512	5,000	6,000	8,000
Manufacturing.....	16,809	21,000	33,000	53,000
Food.....	614	1,000	1,000	1,000
Textiles.....	273	1,000	1,000	2,000
Paper.....	47	a/	a/	a/
Chemicals.....	151	a/	a/	a/
Petroleum.....	60	a/	a/	a/
Primary Metals.....	88	a/	a/	a/
Transportation, etc.....	1,571	2,000	2,000	3,000
Trade.....	6,585	10,000	16,000	26,000
Finance, etc.....	581	2,000	3,000	4,000
Services.....	7,223	14,000	20,000	32,000
Public Administration.....	1,304	2,000	4,000	5,000
Armed Forces.....	55	a/	a/	a/
Population.....	156,417	184,000	246,000	362,000

a/ Data not of sufficient size to warrant projection.

TABLE CXVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA 3-2

	1980	2000	2020
Employment.....	69,000	108,000	161,000
Agriculture.....	6,000	5,000	4,000
Mining.....	1,000	1,000	1,000
Construction.....	5,000	6,000	8,000
Manufacturing.....	23,000	40,000	65,000
Food.....	1,000	1,000	1,000
Textiles.....	1,000	1,000	2,000
Paper.....	a/	a/	a/
Chemicals.....	a/	a/	a/
Petroleum.....	a/	a/	a/
Primary Metals.....	a/	a/	a/
Transportation, etc.....	2,000	2,000	3,000
Trade.....	11,000	23,000	30,000
Finance, etc.....	2,000	3,000	4,000
Services.....	16,000	24,000	41,000
Public Administration.....	3,000	4,000	5,000
Armed Forces.....	a/	a/	a/
Population.....	184,000	285,000	416,000

a/ Data not of sufficient size to warrant projection.

TABLE CXIX

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA J-1

	1960	1980	2000	2020
Employment.....	181,027	247,000	350,000	489,000
Agriculture.....	24,538	13,000	10,000	9,000
Mining.....	16,965	17,000	21,000	20,000
Construction.....	11,848	16,000	19,000	24,000
Manufacturing.....	45,310	64,000	90,000	129,000
Food.....	3,532	4,000	5,000	6,000
Textiles.....	3,994	3,000	2,000	1,000
Paper.....	1,669	2,000	2,000	3,000
Chemicals.....	12,628	14,000	14,000	15,000
Petroleum.....	0	0	0	0
Primary Metals.....	441	1,000	1,000	1,000
Transportation, etc.....	10,910	12,000	14,000	16,000
Trade.....	30,524	52,000	78,000	114,000
Finance, etc.....	3,715	10,000	16,000	24,000
Services.....	32,627	57,000	91,000	137,000
Public Administration.....	4,369	6,000	11,000	16,000
Armed Forces.....	230	a/	a/	a/
Population.....	610,249	780,000	1,046,000	1,404,000

a/ Data not of sufficient size to warrant projection.

TABLE CXX

POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA J-1

	1980	2000	2020
Employment.....	267,000	409,000	618,000
Agriculture.....	13,000	10,000	9,000
Mining.....	17,000	21,000	20,000
Construction.....	16,000	22,000	26,000
Manufacturing.....	74,000	105,000	170,000
Food.....	4,000	5,000	6,000
Textiles.....	4,000	2,000	1,500
Paper.....	2,000	2,000	3,000
Chemicals.....	14,000	14,000	15,000
Petroleum.....	0	0	0
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	12,000	16,000	25,000
Trade.....	56,000	92,000	130,000
Finance, etc.....	10,000	19,000	30,000
Services.....	62,000	110,000	189,000
Public Administration.....	7,000	14,000	19,000
Armed Forces.....	a/	a/	a/
Population.....	880,000	1,077,000	1,594,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXI
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA J-2

	1960	1980	2000	2020
Employment.....	121,215	164,000	223,000	301,000
Agriculture.....	14,287	5,000	4,000	2,000
Mining.....	1,230	1,000	2,000	2,000
Construction.....	9,309	12,000	17,000	22,000
Manufacturing.....	37,368	59,000	78,000	101,000
Food.....	1,567	2,000	3,000	3,000
Textiles.....	9,622	13,000	15,000	18,000
Paper.....	5,890	9,000	14,000	20,000
Chemicals.....	4,778	9,000	15,000	23,000
Petroleum.....	8	a/	a/	a/
Primary Metals.....	83	1,000	1,000	1,000
Transportation, etc.....	5,694	7,000	7,000	7,000
Trade.....	20,490	31,000	45,000	62,000
Finance, etc.....	2,639	6,000	10,000	16,000
Services.....	26,209	37,000	53,000	79,000
Public Administration.....	3,887	6,000	7,000	10,000
Armed Forces.....	102	a/	a/	a/
Population.....	366,384	478,000	626,000	807,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA J-2

	1980	2000	2020
Employment.....	178,000	258,000	353,000
Agriculture.....	5,000	4,000	2,000
Mining.....	1,000	2,000	2,000
Construction.....	14,000	20,000	26,000
Manufacturing.....	64,000	90,000	119,000
Food.....	2,000	4,000	4,000
Textiles.....	14,000	18,000	22,000
Paper.....	10,000	15,000	22,000
Chemicals.....	10,000	17,000	27,000
Petroleum.....	a/	a/	a/
Primary Metals.....	1,000	1,000	1,000
Transportation, etc.....	7,000	8,000	8,000
Trade.....	34,000	50,000	72,000
Finance, etc.....	7,000	12,000	19,000
Services.....	40,000	64,000	93,000
Public Administration.....	6,000	8,000	12,000
Armed Forces.....	a/	a/	a/
Population.....	478,000	666,000	911,000

a/ Data not of sufficient size to warrant projection.

TABLE CXKIII
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA J-3

	1960	1980	2000	2020
Employment.....	216,365	331,000	481,000	698,000
Agriculture.....	18,379	7,000	4,000	3,000
Mining.....	4,085	3,000	3,000	2,000
Construction.....	15,600	20,000	27,000	33,000
Manufacturing.....	68,661	118,000	161,000	222,000
Food.....	6,155	8,000	10,000	12,000
Textiles.....	11,037	12,000	12,000	13,000
Paper.....	496	1,000	1,000	1,000
Chemicals.....	17,708	40,000	71,000	114,000
Petroleum.....	114	a/	a/	a/
Primary Metals.....	7,650	7,000	6,000	5,000
Transportation, etc.....	12,554	14,000	14,000	14,000
Trade.....	39,641	68,000	109,000	163,000
Finance, etc.....	5,433	13,000	22,000	37,000
Services.....	44,478	77,000	127,000	203,000
Public Administration.....	7,014	11,000	14,000	21,000
Armed Forces.....	520	a/	a/	a/
Population.....	654,237	945,000	1,365,000	2,009,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXIV
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA J-3

	1980	2000	2020
Employment.....	360,000	550,000	780,000
Agriculture.....	7,000	4,000	3,000
Mining.....	3,000	3,000	2,000
Construction.....	20,000	28,000	37,000
Manufacturing.....	119,000	198,000	247,000
Food.....	8,000	11,000	13,000
Textiles.....	12,000	13,000	15,000
Paper.....	1,000	1,000	1,000
Chemicals.....	40,000	71,000	127,000
Petroleum.....	a/	a/	a/
Primary Metals.....	7,000	6,000	6,000
Transportation, etc.....	14,000	15,000	16,000
Trade.....	68,000	114,000	181,000
Finance, etc.....	19,000	24,000	50,000
Services.....	99,000	149,000	221,000
Public Administration.....	11,000	15,000	23,000
Armed Forces.....	a/	a/	a/
Population.....	945,000	1,385,000	2,058,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXV
POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA J-4

	1960	1980	2000	2020
Employment.....	159,055	222,000	310,000	421,000
Agriculture.....	7,405	3,000	2,000	1,000
Mining.....	1,626	1,000	1,000	1,000
Construction.....	9,887	13,000	18,000	25,000
Manufacturing.....	58,748	77,000	99,000	129,000
Food.....	4,077	5,000	8,000	10,000
Textiles.....	16,120	17,000	18,000	18,000
Paper.....	2,221	5,000	9,000	14,000
Chemicals.....	4,212	8,000	14,000	22,000
Petroleum.....	138	a/	a/	a/
Primary Metals.....	2,648	2,000	1,000	1,000
Transportation, etc.....	10,306	12,000	13,000	14,000
Trade.....	27,140	40,000	57,000	78,000
Finance, etc.....	6,144	15,000	27,000	39,000
Services.....	31,880	50,000	76,000	111,000
Public Administration.....	5,649	11,000	17,000	23,000
Armed Forces.....	270	a/	a/	a/
Population.....	452,867	604,000	820,000	1,106,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXVI
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA J-4

	1980	2000	2020
Employment.....	222,000	325,000	454,000
Agriculture.....	3,000	2,000	1,000
Mining.....	1,000	1,000	1,000
Construction.....	13,000	18,000	25,000
Manufacturing.....	77,000	105,000	136,000
Food.....	5,000	8,000	11,000
Textiles.....	17,000	18,000	20,000
Paper.....	5,000	10,000	15,000
Chemicals.....	8,000	14,000	24,000
Petroleum.....	a/	a/	a/
Primary Metals.....	2,000	1,000	1,000
Transportation, etc.....	12,000	13,000	15,000
Trade.....	40,000	62,000	80,000
Finance, etc.....	15,000	27,000	40,000
Services.....	50,000	80,000	131,000
Public Administration.....	11,000	17,000	25,000
Armed Forces.....	a/	a/	a/
Population.....	604,000	844,000	1,172,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXVII

POPULATION AND EMPLOYMENT
HISTORICAL AND PROJECTED
WATER AREA J-5

	1960	1980	2000	2020
Employment.....	177,305	307,000	514,000	802,000
Agriculture.....	24,918	9,000	5,000	3,000
Mining.....	829	a/	a/	a/
Construction.....	14,869	25,000	37,000	57,000
Manufacturing.....	51,451	105,000	177,000	263,000
Food.....	4,329	8,000	11,000	15,000
Textiles.....	4,473	4,000	5,000	6,000
Paper.....	61	a/	a/	a/
Chemicals.....	3,196	7,000	10,000	17,000
Petroleum.....	71	a/	a/	a/
Primary Metals.....	5,922	10,000	12,000	14,000
Transportation, etc.....	9,701	14,000	22,000	27,000
Trade.....	28,254	57,000	96,000	161,000
Finance, etc.....	3,665	11,000	22,000	36,000
Services.....	32,909	67,000	122,000	198,000
Public Administration.....	6,694	15,000	29,000	53,000
Armed Forces.....	3,924	4,000	4,000	4,000
Population.....	546,047	875,000	1,405,000	2,147,000

a/ Data not of sufficient size to warrant projection.

TABLE CXXVIII
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
WATER AREA J-5

	1980	2000	2020
Employment.....	320,000	534,000	871,000
Agriculture.....	9,000	5,000	3,000
Mining.....	a/	a/	a/
Construction.....	25,000	37,000	60,000
Manufacturing.....	105,000	190,000	300,000
Food.....	8,000	12,000	15,000
Textiles.....	4,000	5,000	6,000
Paper.....	a/	a/	a/
Chemicals.....	7,000	10,000	18,000
Petroleum.....	a/	a/	a/
Primary Metals.....	10,000	12,000	14,000
Transportation, etc.....	14,000	22,000	27,000
Trade.....	57,000	96,000	165,000
Finance, etc.....	11,000	22,000	37,000
Services.....	80,000	128,000	220,000
Public Administration.....	15,000	30,000	55,000
Armed Forces.....	4,000	4,000	4,000
Population.....	875,000	1,405,000	2,248,000

a/ Data not of sufficient size to warrant projection.

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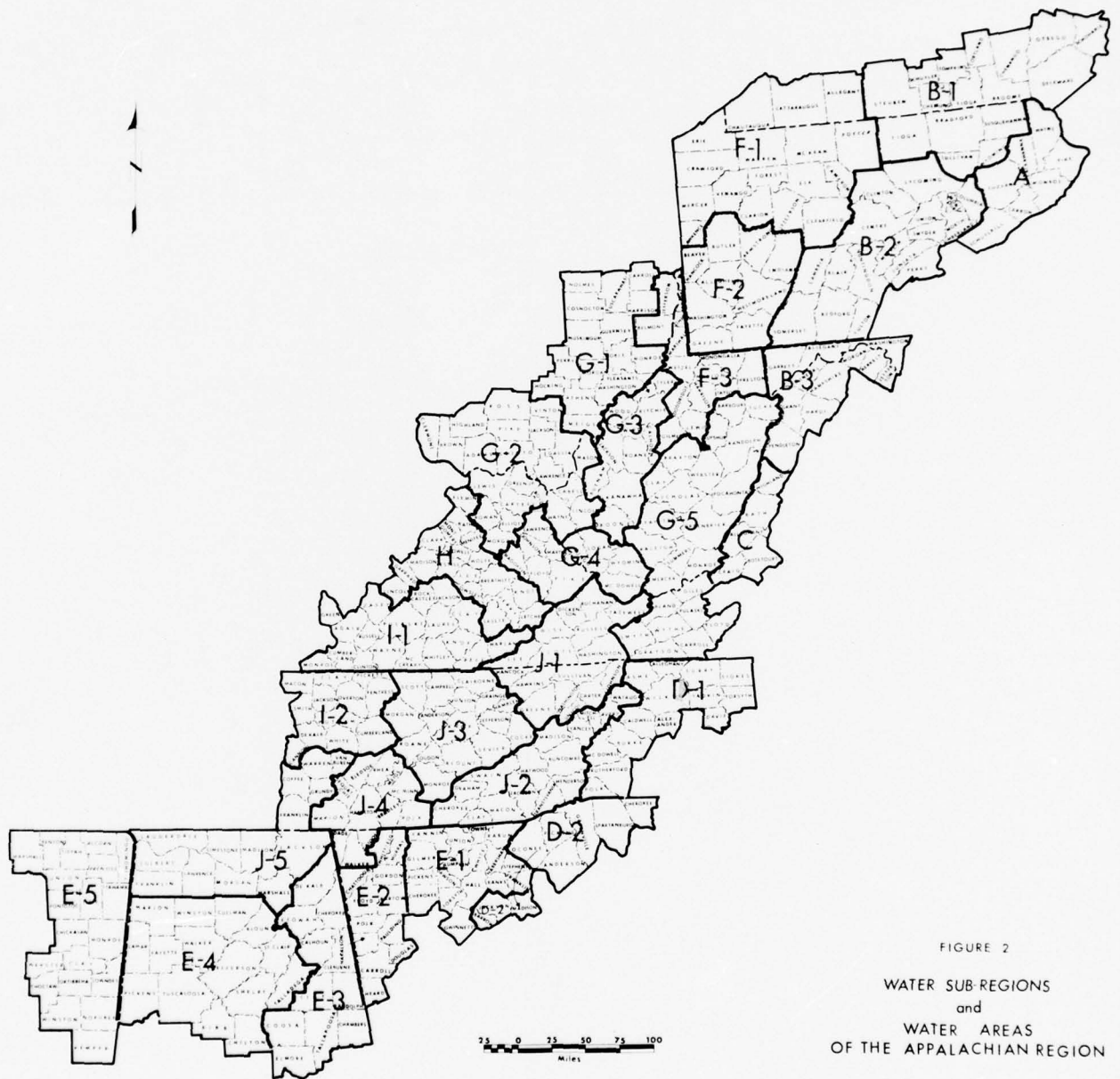


FIGURE 2
WATER SUB-REGIONS
and
WATER AREAS
OF THE APPALACHIAN REGION

CHAPTER 6

POPULATION AND EMPLOYMENT,
59 STATE PLANNING SUB-REGIONS OF APPALACHIA

This chapter contains a disaggregation of the developmental benchmark data contained in Chapters 4 and 5. Most of the water sub-regions and water areas reported in Chapter 5 are a combination of state planning sub-regions.

A map at the end of this chapter shows the boundaries of the planning sub-regions.

TABLE CXXIX
POPULATION AND EMPLOYMENT
DEVELOPMENTAL BENCHMARKS
STATE PLANNING SUB-REGIONS OF APPALACHIA

State Planning Sub-Regions	1960		1980		2000		2020	
	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.
1	480,983	173,515	607,000	244,000	939,000	362,000	1,339,000	516,000
2	519,081	198,039	677,000	251,000	1,103,000	415,000	1,616,000	650,000
4	721,892	247,019	871,000	310,000	1,310,000	494,000	1,734,000	672,000
5	2,883,728	975,910	3,439,000	1,184,000	4,450,000	1,530,000	5,383,000	1,967,000
6	244,240	81,533	295,000	110,000	444,000	168,000	589,000	228,000
7	510,508	160,444	639,000	225,000	803,000	315,000	1,084,000	430,000
8	538,295	192,671	673,000	236,000	846,000	333,000	1,169,000	454,000
9	147,740	50,511	213,000	75,000	314,000	124,000	562,000	185,000
10	884,381	313,602	1,006,000	372,000	1,420,000	522,000	1,999,000	775,000
11	386,395	129,669	421,000	147,000	519,000	193,000	625,000	217,000
12	291,739	89,757	388,000	129,000	592,000	210,000	739,000	288,000
13	441,406	134,625	609,000	170,000	767,000	301,000	1,174,000	453,000

TABLE CXXIX (continued)
Sheet 2 of 5

State Planning Sub-Regions	1960		1980		2000		2020	
	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.
14	305,250	96,066	399,000	134,000	549,000	214,000	733,000	272,000
15	191,905	57,887	227,000	70,000	280,000	120,000	437,000	169,000
16	152,958	47,653	195,000	66,000	271,000	106,000	470,000	176,000
17	194,380	65,710	216,000	74,000	250,000	86,000	300,000	107,000
18	274,164	85,061	324,000	113,000	412,000	164,000	470,000	175,000
19	120,596	38,502	150,000	44,000	166,000	50,000	247,000	80,000
20	178,674	45,679	183,000	57,000	251,000	105,000	346,000	123,000
21	234,987	58,374	219,000	69,000	229,000	80,000	242,000	86,000
22	207,507	44,130	213,000	67,000	249,000	102,000	281,000	124,000
23	100,212	24,437	140,000	44,000	177,000	73,000	230,000	99,000
24	128,016	31,454	190,000	56,000	226,000	75,000	290,000	122,000
25	55,220	18,072	90,000	27,000	108,000	40,000	159,000	72,000
26	104,845	34,151	130,000	41,000	167,000	65,000	217,000	77,000
27	54,939	18,317	74,000	23,000	103,000	40,000	141,000	50,000

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TABLE CXXIX (continued)
Sheet 4 of 5

State Planning Sub-Regions	1960		1980		2000		2020	
	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.
43	69,395	19,137	81,000	30,000	113,000	44,000	155,000	60,000
44	239,537	85,350	325,000	125,000	458,000	180,000	631,000	247,000
45	83,228	29,613	115,000	50,000	185,000	72,000	287,000	111,000
46	57,452	16,728	72,000	23,000	95,000	34,000	125,000	46,000
47	117,878	44,863	152,000	66,000	253,000	98,000	354,000	137,000
48	72,771	23,707	114,000	50,000	154,000	60,000	197,000	77,000
49	299,479	118,949	415,000	182,000	742,000	289,000	1,268,000	491,000
50	586,521	233,356	872,000	343,000	1,426,000	555,000	2,241,000	868,000
51	319,825	116,644	419,000	192,000	600,000	219,000	800,000	310,000
52	208,903	70,877	310,000	104,000	435,000	165,000	601,000	234,000
53	44,230	16,990	58,000	22,000	68,000	26,000	84,000	33,000
54	60,282	21,130	108,000	38,000	154,000	62,000	241,000	93,000
55	41,784	15,173	64,000	25,000	77,000	30,000	86,000	33,000
56	453,633	147,584	727,000	268,000	1,168,000	444,000	1,868,000	724,000

TABLE CXXIX (continued)
Sheet 5 of 5

State Planning Sub-Regions	1960		1980		2000		2020	
	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.	Pop.	Emp.
57	261,487	86,655	397,000	146,000	530,000	204,000	742,000	288,000
58	145,962	54,022	166,000	61,000	245,000	95,000	339,000	131,000
59	1,121,204	369,517	1,481,000	527,000	2,095,000	825,000	2,834,000	1,100,000
60	406,187	134,040	597,000	203,000	852,000	300,000	1,112,000	400,000

NOTE: There is no number three.

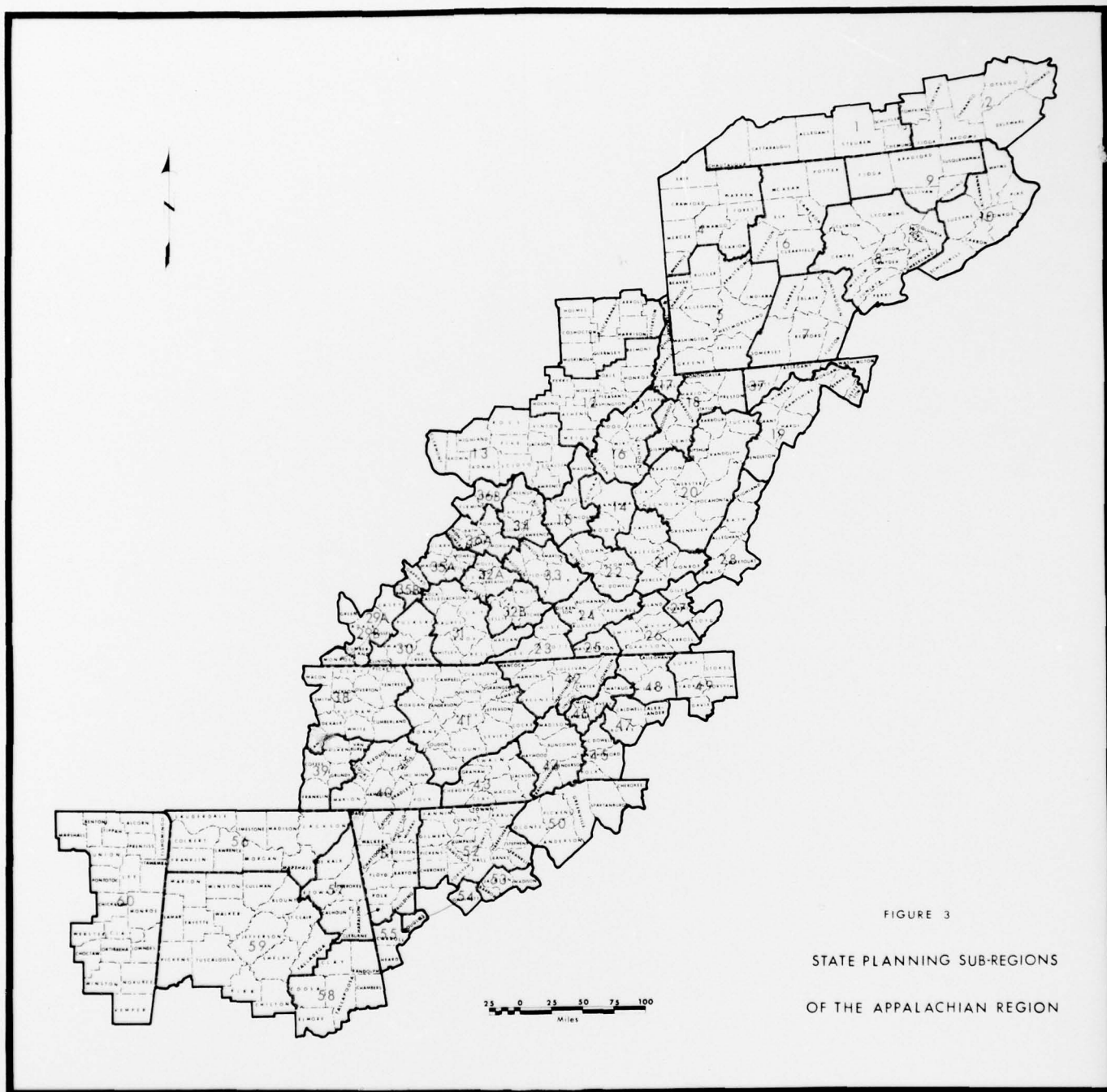


FIGURE 3

STATE PLANNING SUB-REGIONS

OF THE APPALACHIAN REGION

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CHAPTER 7

PER CAPITA INCOME

This chapter contains 1960 projections and developmental benchmark per capita income for the 27 economic sub-regions of the Appalachian Region.

TABLE CXXX

PER CAPITA INCOME
HISTORICAL AND PROJECTED
(1954 Dollars)

	1940	1960	1980	2000	2020
UNITED STATES.....	1,198	1,994	3,200	5,000	7,750
Economic Sub-regions...					
01.....	1,112	1,764	2,864	4,597	7,784
02.....	1,170	1,727	2,598	4,447	7,885
03.....	931	1,571	2,633	4,409	7,163
04.....	884	1,582	2,847	4,441	7,148
05.....	895	1,530	2,633	4,393	7,391
06.....	1,210	1,953	3,044	4,837	7,593
07.....	748	1,444	2,540	4,491	7,373
08.....	697	1,436	2,290	3,654	6,225
09.....	522	933	1,744	3,208	5,510
10.....	559	1,000	1,766	3,611	6,590
11.....	702	1,345	2,381	4,156	7,330
12.....	703	1,318	2,268	3,965	7,144
13.....	348	830	1,839	3,461	6,058
14.....	667	1,128	2,198	3,740	6,414
15.....	616	1,500	2,685	4,485	7,235
16.....	576	1,118	2,203	3,998	6,721
17.....	552	1,185	2,220	4,030	6,752
18.....	324	810	1,771	3,078	5,000
19.....	539	1,158	2,256	3,701	6,180
20.....	641	1,378	2,459	4,251	7,221
21.....	605	1,309	2,388	4,171	6,914
22.....	424	1,359	2,600	4,400	7,210
23.....	657	1,436	2,656	4,500	7,245
24.....	521	1,159	2,234	4,035	6,784
25.....	723	1,537	2,583	4,369	7,125
26.....	438	1,037	1,832	3,320	5,644
27.....	359	940	1,711	2,927	4,985

TABLE CXXXI
PER CAPITA INCOME
DEVELOPMENTAL BENCHMARKS
(1954 Dollars)

	1980	2000	2020
UNITED STATES.....	3,200	5,000	7,750
Economic Sub-Regions.....			
01.....	3,040	5,000	8,138
02.....	2,880	4,750	8,138
03.....	2,720	4,500	7,363
04.....	3,040	4,500	7,363
05.....	2,720	4,500	7,750
06.....	3,200	5,000	7,750
07.....	2,560	4,500	7,750
08.....	2,560	4,250	6,975
09.....	2,080	4,000	6,588
10.....	2,080	4,000	6,975
11.....	2,560	4,250	7,363
12.....	2,400	4,250	7,363
13.....	2,080	4,000	6,588
14.....	2,400	4,000	6,975
15.....	2,880	4,750	7,750
16.....	2,240	4,250	7,363
17.....	2,400	4,250	6,975
18.....	2,080	3,750	6,588
19.....	2,560	4,500	7,750
20.....	2,560	4,500	7,363
21.....	2,560	4,250	7,363
22.....	2,720	4,500	7,363
23.....	2,720	4,500	7,750
24.....	2,400	4,500	7,363
25.....	2,720	4,500	7,363
26.....	2,240	4,000	6,975
27.....	2,240	4,000	6,975

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CHAPTER 8

GROSS OUTPUT PER EMPLOYEE

This chapter contains 1960 and projected output per employee for water-sensitive industries in the Appalachian Region and indexes of output per employee for the United States.

TABLE CXXXII

TEXTILES MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	183	353	725
Economic Sub-Regions.....				
01.....	4,816	13,072	22,739	35,422
02.....	5,451	13,707	23,374	36,057
03.....	4,904	13,165	22,832	35,515
04.....	5,197	13,453	23,120	35,803
05.....	5,017	13,273	22,940	35,623
06.....	4,237	12,493	22,160	34,843
07.....	5,621	13,877	23,544	36,227
08.....	7,664	15,920	25,587	38,270
09.....	7,664	15,920	25,587	38,270
10.....	5,271	13,527	23,194	35,877
11.....	3,658	11,914	21,581	34,264
12.....	3,658	11,914	21,581	34,264
13.....	5,458	13,714	23,381	36,064
14.....	5,271	13,527	23,194	35,877
15.....	4,372	12,628	22,295	34,978
16.....	5,271	13,527	23,194	35,877
17.....	4,460	12,716	22,383	35,066
18.....	4,672	12,928	22,595	35,278
19.....	4,450	12,706	22,373	35,056
20.....	4,450	12,706	22,373	35,056
21.....	4,460	12,716	22,383	35,066
22.....	4,192	12,448	22,115	34,798
23.....	4,838	13,094	22,761	35,444
24.....	4,328	12,584	22,251	34,934
25.....	4,192	12,448	22,115	34,798
26.....	4,192	12,448	22,115	34,798
27.....	4,192	12,448	22,115	34,798

TABLE CXXXIII

CHEMICALS MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	225	395	649
Economic Sub-Regions.....				
01.....	12,591	27,281	42,855	67,525
02.....	10,152	24,842	40,416	65,086
03.....	11,431	26,121	41,695	66,365
04.....	11,431	26,121	41,695	66,365
05.....	11,431	26,121	41,695	66,365
06.....	9,679	24,369	39,943	64,613
07.....	9,452	24,142	39,716	64,386
08.....	12,431	27,121	42,695	67,365
09.....	12,992	27,682	43,256	67,926
10.....	9,816	24,506	40,080	64,750
11.....	15,660	30,350	45,924	70,594
12.....	15,660	30,350	45,924	70,594
13.....	8,903	23,593	39,167	63,837
14.....	9,816	24,506	40,080	64,750
15.....	10,718	25,408	40,982	65,652
16.....	9,816	24,506	40,080	64,750
17.....	10,318	25,008	40,582	65,252
18.....	9,725	24,415	39,989	64,659
19.....	9,028	23,718	39,292	63,962
20.....	9,028	23,718	39,292	63,962
21.....	10,318	25,008	40,582	65,252
22.....	13,525	28,215	43,789	68,459
23.....	11,167	25,857	41,431	66,101
24.....	10,242	24,932	40,506	65,176
25.....	11,606	26,296	41,870	66,540
26.....	13,525	28,215	43,789	68,459
27.....	11,606	26,296	41,870	66,540

TABLE CXXXIV
PETROLEUM MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	178	319	482
Economic Sub-Regions.....				
01.....	13,145	43,911	84,411	136,831
02.....	15,315	46,081	86,581	139,001
03.....	13,379	44,145	84,645	137,065
04.....	13,379	44,145	84,645	137,065
05.....	13,242	44,008	84,508	136,928
06.....	12,881	43,647	84,147	136,567
07.....	24,421	55,187	95,687	148,107
08.....	24,211	54,977	94,477	147,897
09.....	23,075	53,841	94,341	146,761
10.....	--	--	--	--
11.....	12,231	42,997	83,497	135,917
12.....	12,231	42,997	83,497	135,917
13.....	31,984	62,750	103,250	155,670
14.....	--	--	--	--
15.....	--	--	--	--
16.....	--	--	--	--
17.....	--	--	--	--
18.....	--	--	--	--
19.....	--	--	--	--
20.....	--	--	--	--
21.....	--	--	--	--
22.....	16,853	47,619	88,119	140,539
23.....	--	--	--	--
24.....	15,550	46,316	86,816	139,236
25.....	16,853	47,619	88,119	140,539
26.....	16,853	47,619	88,119	140,539
27.....	--	--	--	--

TABLE CXXXV
PRIMARY METALS MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	131	166	211
Economic Sub-Regions.....				
01.....	5,677	7,662	9,822	12,619
02.....	6,318	8,303	10,463	13,260
03.....	5,665	7,650	9,810	12,607
04.....	5,665	7,650	9,810	12,607
05.....	5,695	7,680	9,840	12,637
06.....	5,836	7,821	9,981	12,778
07.....	6,437	8,422	10,582	13,379
08.....	6,031	8,016	10,176	12,973
09.....	6,439	8,424	10,584	13,381
10.....	5,711	7,696	9,856	12,653
11.....	8,584	10,569	12,729	15,526
12.....	8,584	10,569	12,729	15,526
13.....	6,986	8,971	11,131	13,928
14.....	5,711	7,696	9,856	12,653
15.....	5,560	7,545	9,705	12,502
16.....	5,711	7,696	9,856	12,653
17.....	6,140	8,125	10,285	13,082
18.....	6,140	8,125	10,285	13,082
19.....	5,560	7,545	9,705	12,502
20.....	5,560	7,545	9,705	12,502
21.....	6,140	8,125	10,285	13,082
22.....	6,170	8,155	10,315	13,112
23.....	5,472	7,457	9,617	12,414
24.....	3,727	5,712	7,872	10,669
25.....	6,750	8,735	10,895	13,692
26.....	6,170	8,155	10,315	13,112
27.....	6,750	8,735	10,895	13,692

TABLE CXXXVI
FOOD MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	143	209	386
Economic Sub-Regions.....				
01.....	9,478	11,518	14,685	18,622
02.....	9,813	11,853	15,020	18,957
03.....	8,105	10,145	13,312	17,249
04.....	8,670	10,710	13,877	17,814
05.....	8,129	10,169	13,336	17,273
06.....	8,514	10,554	13,721	17,658
07.....	8,375	10,415	13,582	17,519
08.....	8,985	11,025	14,192	18,129
09.....	9,420	11,460	14,627	18,564
10.....	6,860	8,900	12,067	16,004
11.....	6,775	8,815	11,982	15,919
12.....	6,775	8,815	11,982	15,919
13.....	9,515	11,555	14,722	18,659
14.....	6,860	8,900	12,067	16,004
15.....	6,911	8,951	12,118	16,055
16.....	6,860	8,900	12,067	16,004
17.....	7,836	9,876	13,043	16,980
18.....	7,509	9,549	12,716	16,653
19.....	6,978	9,018	12,185	16,122
20.....	6,978	9,018	12,185	16,122
21.....	7,836	9,876	13,043	16,980
22.....	6,230	8,270	11,437	15,374
23.....	6,253	8,293	11,460	15,397
24.....	7,849	9,889	13,056	16,993
25.....	6,774	8,814	11,981	15,918
26.....	6,230	8,270	11,437	15,374
27.....	6,774	8,814	11,981	15,918

TABLE CXXXVII

PAPER MANUFACTURING
GROSS OUTPUT PER EMPLOYEE (1960 Dollars)

	1960	1980	2000	2020
UNITED STATES.....	100	131	163	203
Economic Sub-Regions.....				
01.....	6,587	8,849	11,161	14,087
02.....	6,550	8,812	11,124	14,050
03.....	7,079	9,341	11,653	14,579
04.....	7,079	9,341	11,653	14,579
05.....	7,040	9,302	11,614	14,540
06.....	6,272	8,534	10,846	13,772
07.....	6,516	8,778	11,090	14,016
08.....	6,876	9,138	11,450	14,376
09.....	6,884	9,106	11,418	14,344
10.....	9,568	11,830	14,142	17,068
11.....	4,750	7,012	9,324	12,250
12.....	4,750	9,012	9,324	12,250
13.....	4,649	6,911	9,223	12,149
14.....	9,568	11,830	14,142	17,068
15.....	6,899	9,161	11,473	14,399
16.....	9,568	11,830	14,142	17,068
17.....	8,964	11,226	13,538	16,464
18.....	6,379	8,614	10,953	13,879
19.....	7,266	9,528	11,840	14,766
20.....	7,266	9,528	11,840	14,766
21.....	8,964	11,226	13,538	16,464
22.....	8,380	10,642	12,954	15,880
23.....	7,429	9,691	12,003	14,929
24.....	7,429	9,691	12,003	14,929
25.....	7,769	10,031	12,343	15,269
26.....	8,380	10,642	12,954	15,880
27.....	7,769	10,031	12,003	15,269